

CRYSTAL FIRES

VALENTINES BUILDING

BECHERS DRIVE

AINTREE RACECOURSE

BUSINESS PARK

LIVERPOOL

MERSEYSIDE

L9 5AY

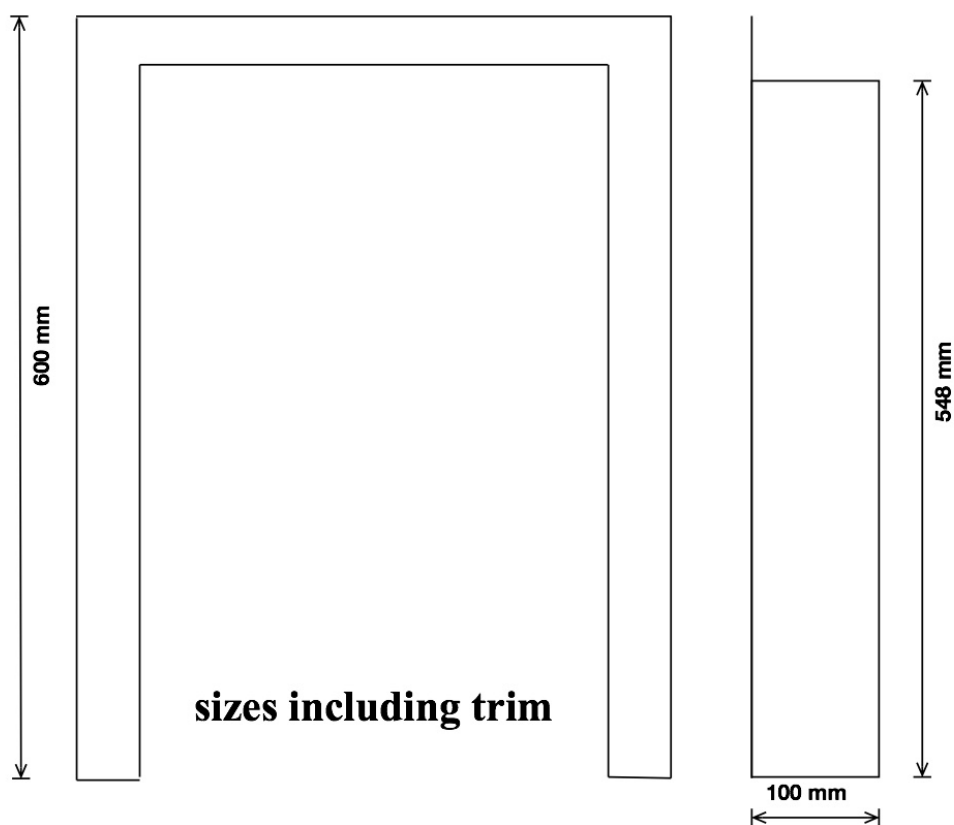
0151 521 3222

DIAMOND DECORATIVE INSET GAS FIRE

THIS APPLIANCE IS CAT I_{2H}
FOR USE WITH NATURAL GAS ONLY
G20 AT 20mbar
IN G.B. AND I.E.

INSTALLATION & SERVICING BOOK USERS INSTRUCTIONS





**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU START INSTALLING
THE APPLIANCE
KEEP THIS BOOKLET HANDY FOR FUTURE REFERENCE**

TECHNICAL DATA

HEIGHT 600MM

WEIGHT 15 KG

GAS TYPE : NATURAL GAS

GAS PRESSURE : 20MB

CONNECTION 8MM OD TUBE

SPARK GAP 2.5—4MM

INJECTOR TYPE CAT 82 / 420

HEAT INPUT GROSS

**HIGH 6.5kW
LOW 4.1kW**

CAT 1 2h

DATA LABEL LOCATION FRONT BOTTOM SECTION

The Benchmark Scheme

Benchmark places responsibilities on both manufacturers and installers. The purpose is to ensure that customers are provided with the correct equipment for their needs, that it is installed, commissioned and serviced in accordance with the manufacturer's instructions by competent persons and that it meets the requirements of the appropriate Building Regulations. The Benchmark Checklist can be used to demonstrate compliance with Building Regulations and should be provided to the customer for future reference.

Installers are required to carry out installation, commissioning and servicing work in accordance with the Benchmark Code of Practice which is available from the Heating and Hot water Industry Council who manage and promote the Scheme. Visit www.centralheating.co.uk for more information.

INSTALLATION GENERAL

IMPORTANT NOTES

THE DIAMOND IS DESIGNED AND TESTED TO THE REQUIREMENTS OF BS5258 P16 AND IS FITTED WITH AN ATMOSPHERE SENSING DEVICE

THE SUPER HEATRAVE CAN ONLY BE USED IN CONJUNCTION WITH THE FOLLOWING CHIMNEYS : CONVENTIONAL BRICK OR STONE CHIMNEY. A PRE CAST FLUE CONFORMING TO BS 1289 PT.1 OR A METAL FLUE BOX CONFORMING TO BS715, FURTHER DETAILS ARE COVERED LATER. A NON COMBUSTABLE HEARTH MUST BE PROVIDED TO COMPLY WITH THE BUILDING REGULATIONS OR A SUITABLE PROPRIETARY FIRE SURROUND WITH A 100 DEGREES C RATING.

THE CHIMNEY OR FLUE (**UNLESS NEW**) MUST BE SWEPT BEFORE INSTALLATION IF IT HAS BEEN USED FOR SOLID FUEL

INSTALLER

THE APPLIANCE MUST BE INSTALLED BY A COMPETENT PERSON , IE A GAS SAFE REGISTERED INSTALLER IN ACCORDANCE WITH THE CURRENT EDITION OF THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS OR THE RULES IN FORCE. FAILURE TO DO SO COULD LEAD TO PROSECUTION

GAS SAFE CONTACT : 08004085500

REGULATIONS

THE FOLLOWING ARE THE RELEVANT CODES OF PRACTICE AND BRITISH STANDARDS:
BS5781 PART 2 1991, BS8303 1986, BS 5440 PART 1 1990 , BS1251 1987, BS 6891 1988 , BS 6461 PARTS 1 & 2 1984 , BS 715 1989 , BS 1289 PART 1 1986

THE BUILDING REGULATIONS ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT
THE BUILDING STANDARDS (SCOTLAND) (CONSOLIDATION) REGULATIONS ISSUED BY THE SCOTTISH DEVELOPMENT OFFICE

*VENTILATION

GREAT BRITAIN

NO SPECIAL VENTILATION BRICKS OR VENTS ARE NORMALLY REQUIRED INTO THE ROOM CONTAINING THE APPLIANCE, PROVIDED NORMAL ADVENTITIOUS ROOM VENTILATION EXISTS. THE INSTALLER MUST SATISFY THIS POINT BY CARRYING OUT A MANDATORY SPILLAGE TEST

IRELAND

PURPOSE PROVIDED VENTILATION MUST BE PROVIDED AND MUST HAVE A MINIMUM FREE AREA
OF 100 CM²

WARNING

THIS APPLIANCE HAS A NAKED FLAME, AS WITH ALL SUCH FIRES IT IS RECOMMENDED THAT A FIREGUARD SHOULD BE USED FOR THE PROTECTION OF CHILDREN, THE ELDERLY AND INFIRM. FIRE GUARDS SHOULD CONFORM TO BS 6539 (1984) (FIREGUARDS FOR USE WITH SOLID FUEL APPLIANCES)

INSTALLATION REQUIREMENTS

PRE CAST FLUE

A PRE CAST FLUE CONFORMING TO THE REQUIREMENTS OF BS 1289 PART 1. FOR DETAILS OF THE DIMENSIONS REQUIRED TO LOCATE POSITION OF THE APPLIANCE WITHIN THE OPENING STARTER BLOCKS SEE (FIG.2) WITH A MINIMUM OF 3 METRES EFFECTIVE HEIGHT.

A SUITABLE FIRE RESISTING FIRE SURROUND WILL BE REQUIRED, SPACED OUT TO THE CORRECT THICKNESS BETWEEN THE REAR OF THE FLUE BLOCK BREAST AND THE REAR OF THE APPLIANCE FLANGE.

NOTE.

AN INSPECTION SHOULD BE MADE TO ENSURE THAT THE INTERNAL WALLS OF THE FLUE ARE CLEAR OF MORTAR FANGS PRIOR TO INSTALLING THE APPLIANCE

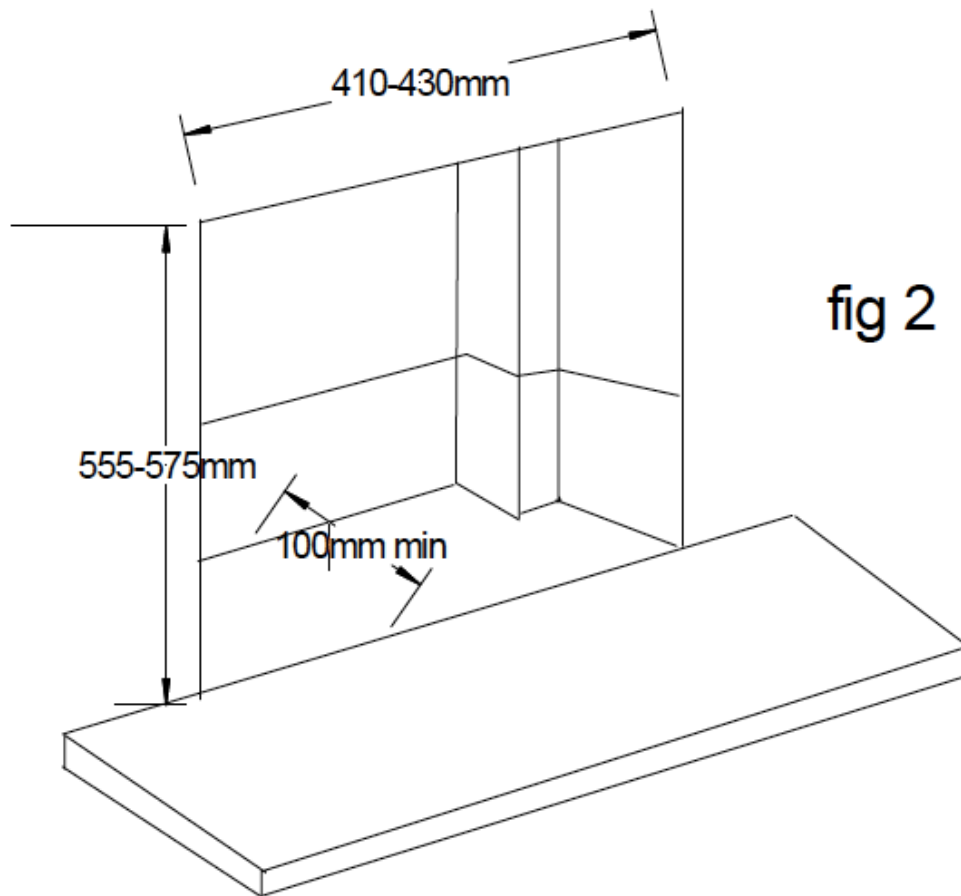


fig 2

A 25mm SPACER CAN BE FITTED TO ALLOW MORE DEPTH IF REQUIRED USING THE FOLLOWING PROCEDURE.

MARK POSITION OF FLANGE HOLES, DRILL AND PLUG AND FIX SPACER TO FIREPLACE ENSURING A

GOOD SEAL IS MADE BETWEEN SPACER AND FIREPLACE USING FOAM SEAL SUPPLIED. THEN SCREW FIRE TO SPACER SEALING WITH FOAM SEAL SUPPLIED AND SCREWS SUPPLIED WITH SPACER

INSTALLATION REQUIREMENTS

LOCATION AND FLUES

CONVENTIONAL CHIMNEY

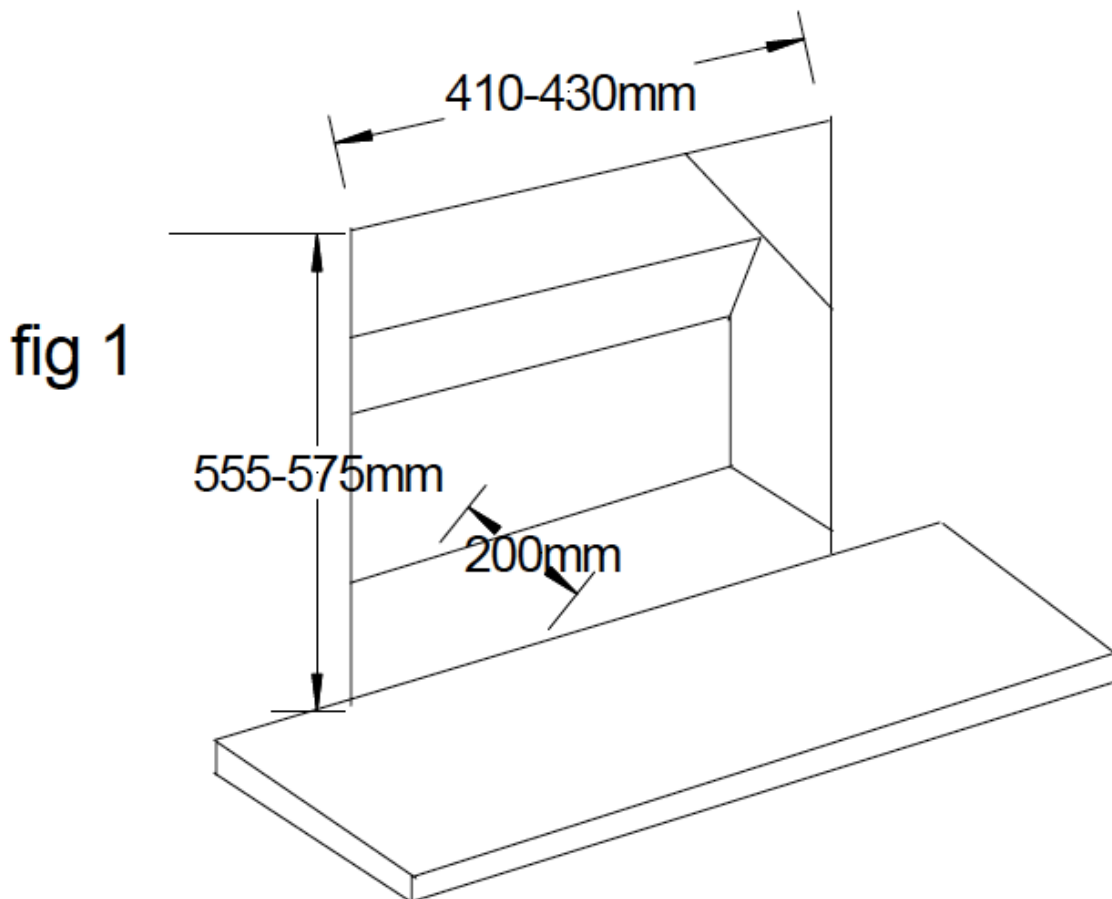
A CONVENTIONAL BRICK OR STONE CHIMNEY AS USED FOR A SOLID FUEL APPLIANCE WITH A MINIMUM EFFECTIVE CROSS SECTIONAL DIMENSION OF 225 * 225 mm (9 * 9 ins) WITH A MINIMUM OF 3 METRES EFFECTIVE HEIGHT.

A LINED FLUE WITH A MINIMUM DIAMETER OF 175 mm (7ins), WITH THE FIREPLACE COMPONENTS CONFORMING TO BS 1251

A BUILDERS OPENING A MINIMUM OF 555mm HIGH TO MAXIMUM 575 mm HIGH AND MINIMUM 410 mm TO MAXIMUM 430 mm WIDE, WITH A MINIMUM DEPTH OF 200 mm TO ALLOW SUFFICIENT VOLUME OF DEBRIS COLLECTION. TO OBTAIN THIS DEPTH IT IS NECESSARY TO REMOVE THE CHAIRBRICK.

ANY PERMANENT FLUE RESTRICTION OR VARIABLE DAMPERS MUST BE REMOVED OR LOCKED FULLY OPEN

THE CHIMNEY MUST BE SWEEPED PRIOR TO INSTALLATION IF NOT NEW.
THE CHAIR BRICK MUST BE REMOVED ON ALL INSTALLATIONS.

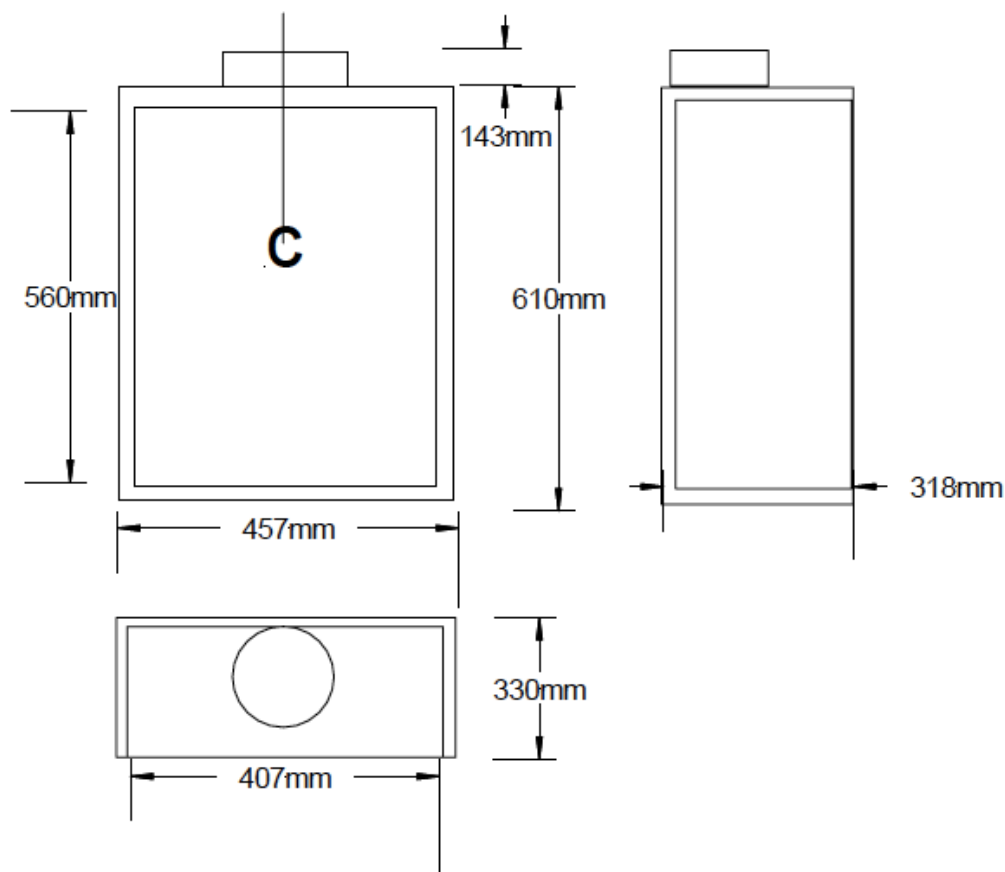


INSTALLATION REQUIREMENTS

5 “ FLUE PIPE AND STARTER BOX

A DOUBLE WALLED SELKIRK RECESSED FLUE BOX BUILT TO THE REQUIREMENTS OF BS 715
WITH

AN INSULATED FLUE HAVING A MINIMUM DIAMETER OF 125mm (5”) AND A MINIMUM
EFFECTIVE OVERALL HEIGHT OF 3 METRES (10ft)



RECESSED GAS FLUE BOX DIMENSIONS (NOT INCLUDING FIBREGLASS INSULATION)

NOTE

THE METAL FLUE BOX MUST BE INSULATED WITH FIBRE GLASS OR EQUIVALENT TO A THICKNESS OF 25 mm.

NOTE

WHERE INSTALLATION IS FOR A METAL FLUE BOX, THE SURROUND MUST HAVE A TEMPERATURE RATING OF 150 DEGREES C .

NOTE

IF THE FLUE BOX IS TO BE USED WITH AN EXISTING BRICK OR STONE CHIMNEY A 125 mm (5”) MINIMUM DIAMETER FLUE LINER CONFORMING TO BS 715 MAY BE USED.

NOTE

A BRICK CHAMBER TO THE SIZES IN FIG 1. IN AN EXISTING BRICK OR STONE CHIMNEY A 125 mm (5”) MINIMUM DIAMETER FLUE LINER CONFORMING TO BS715 MAY BE USED, PROVIDING IT IS SEALED AT THE TOP AND BOTTOM OF THE EXISTING BRICK OR STONE CHIMNEY.

NOTE

ANY OF THE ABOVE FLUES MUST NOT BE RESTRICTED BY DAMPERS OR REGISTER PLATES. THE FLUE MUST SERVE ONLY THE APPLIANCE AND NOT HAVE ANY BRANCHES OR TRAPS WHICH MAY IMPEDE THE NATURAL DRAUGHT. IF ANY TERMINAL IS FITTED IT MUST BE SUITABLE FOR THE PURPOSE.

FRONT FACE SEAL

THE FRONT FACE MUST BE FLAT TO ENSURE THAT A GOOD SEAL IS FORMED BETWEEN THE REAR AND BASE OF THE APPLIANCE AND THE CHIMNEY TO AVOID ANY REDUCTION OF NATURAL DRAUGHT.

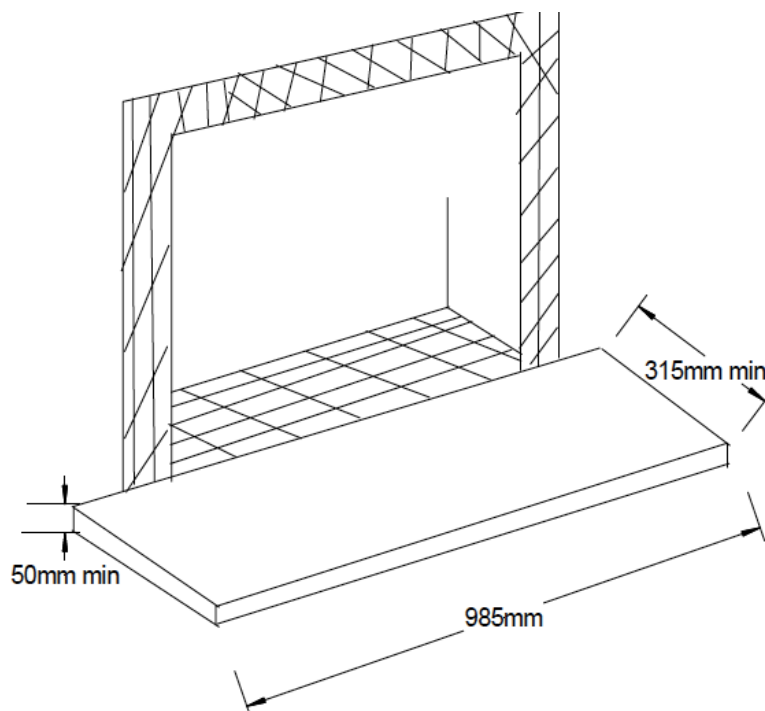
HEARTH.

A NON COMBUSTIBLE HEARTH MUST BE PROVIDED BENEATH THE APPLIANCE WITHIN THE FIREPLACE OPENING.

A FIRE RESISTING HEARTH MUST ALSO BE PROVIDED SYMMETRICALLY DISPOSED ABOUT THE FIREPLACE OPENING A MINIMUM THICKNESS OF 12 mm WITH THE PERIMETER 50mm ABOVE THE FLOOR LEVEL.

THE WIDTH MUST EXTEND A MINIMUM OF 150mm EITHER SIDED OF THE FIREPLACE OPENING AND A DEPTH OF 315mm FROM THE FRONT OF THE FUEL BED.

ANY COMBUSTIBLE MATERIAL ABOVE THE OPENING MUST BE REMOVED UP TO A HEIGHT OF 1 METRE ABOVE THE HEARTH LEVEL.



INSTALLATION REQUIREMENTS

PURPOSE BUILT HEARTH & SURROUND

PURPOSE BUILT SUPERIMPOSED FIRE RESISTANT HEARTHS AND BACK PANELS, SPECIFIED AS SUITABLE BY THE MANUFACTURER MAY BE USED, OR A SUITABLE PROPRIETARY FIRE SURROUND

WITH A 150 DEGREES C RATING.

SOFT FURNISHINGS

CARE SHOULD BE TAKEN TO PREVENT ANY DAMAGE BEING CAUSED TO SURROUNDING SOFT FURNISHINGS OR DECORATION .E.G. MANY EMBOSSED VINYL WALL COVERINGS MAY BECOME DISCOLOURED IF PLACED TOO CLOSE TO THE APPLIANCE

CLEARANCES
SHELVES

MINIMUM CLEARANCE FROM HEARTH TO UNDERSIDE OF COMBUSTABLE SHELF MUST BE 800mm PROVIDED SHELF DEPTH IS 150mm OR LESS
WHEN THE SHELF DEPTH IS INCREASED BY INCREMENTS OF 12.5 mm GREATER THAN 150 mm ADD 25mm TO THE 800 mm MINIMUM CLEARANCE.

SIDE OF FIRE

MINIMUM WIDTH BETWEEN VERTICAL SIDES OF COMBUSTABLE SURROUND SHOULD NOT BE LESS THAN 800 mm PROVIDED FIRE IS CENTRAL TO SURROUND AND SIDES DO NOT PROJECT MORE THAN 150 mm.

WHEN VERTICAL SIDE FORWARD PROJECTION IS INCREASED BY 12.5 mm ADD 50 mm TO INSIDE WIDTH OF SURROUND.

NOTE.

WHEN FIRE IS FITTED THIS GIVES A MINIMUM SIDE CLEARANCE OF 150 mm.

INSTALLATION STEPS
CHECK FLUE

CHECK THAT THE CHIMNEY CONFORMS TO THE REQUIRED SPECIFICATIONS AS PREVIOUSLY STATED

EXAMINE THE CONDITION AND CARRY OUT ANY REMEDIAL WORK. IF THE FLUE HAS BEEN USED FOR SOLID FUEL IT SHOULD BE SWEEPED AND A SMOKE TEST CARRIED OUT TO CHECK THAT SATISFACTORY SMOKE CLEARANCE HAS BEEN ESTABLISHED

IF ALL THE SMOKE IS NOT DRAWN INTO THE FLUE, PRE HEAT THE FLUE WITH A BLOW TORCH OR SIMILAR AND RE CHECK. IF THERE IS ANY UNCERTAINTY EXAMINE FOR THE CAUSE AND IF NECESSARY SEEK EXPERT ADVICE.

GAS SUPPLY

IT IS RECOMMENDED A CONCEALED CONNECTION IS MADE USING RIGID OR SEMI RIGID TUBING, ON TO THE LEFT SIDE OF THE UNIT TAKING INTO ACCOUNT THE REQUIREMENTS OF BS 6891 1988 DEALING WITH ENCLOSED PIPES.

AFTER CONNECTING THE SUPPLY PIPE , MAKE SURE THE PIEZO OPERATES CORRECTLY AND DOES NOT FOUL ON THE GAS SUPPLY PIPE.

A SUITABLE ISOLATING COCK SHOULD ALWAYS BE FITTED IN THE SUPPLY FEED TO THE FIRE TO FACILITATE SERVICING.

SECURE FIRE TO THE FIREPLACE

MARK POSITION OF FLANGE HOLES, DRILL AND FIX AND PLUG FIRE TO FIREPLACE ENSURING A GOOD SEAL IS MADE BETWEEN FIREBOX AND FIREPLACE USING FOAM SEAL SUPPLIED.

INSTALLATION STEPS

CHECKING GAS PRESSURE AND SOUNDNESS

REMOVE THE PRESSURE TEST POINT SCREW FROM THE INLET ELBOW AND CONNECT PRESSURE GAUGE.

TURN ON GAS TO APPLIANCE.

ROTATE THE CONTROL TO THE IGNITION POSITION AND PUSH IN TO ALLOW THE AIR IN THE PIPEWORK TO BE PURGED.

PUSH IN PIEZO IGNITION SWITCH

CHECK THAT THE ELECTRODE IS SPARKING.

CONTINUE SPARKING UNTIL PILOT IGNITION IS ESTABLISHED.

TURN THE GAS CONTROL KNOB ON TO THE HIGH POSITION AND ALLOW TO RUN FOR FIVE MINUTES.

CHECK THE INLET PRESSURE IS 20 mbar. +/- 1mbar

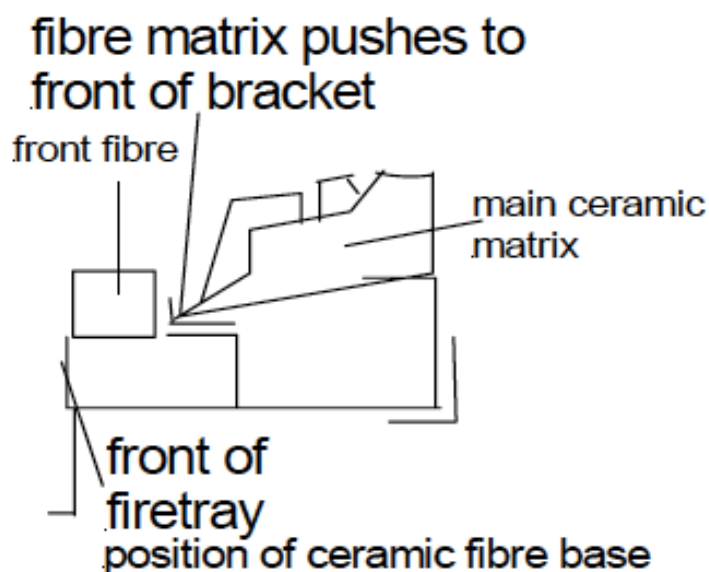
CHECK FOR GAS SOUNDNESS.

TURN OFF GAS SUPPLY, DISCONNECT PRESSURE GAUGE AND REPLACE PRESSURE TEST POINT SCREW

AT THE TIME OF COMMISSIONING COMPLETE THE RELEVANT SECTIONS OF THE BENCHMARK CHECKLIST LOCATED INSIDE THE BACK PAGES OF THIS DOCUMENT

COAL BED LAYOUT

PERIODICALLY SMALL DEPOSITS OF SOOT MAY GATHER ON THE COALS AND BURNER, THIS MUST BE REMOVED BY REMOVING COALS, AND BRUSHING OR VACUUMING ANY DEPOSITS, THEN COALS USING THE FOLLOWING PROCEDURE.



MAIN BASE COME PACKED IN BOX WITH FIRE

DIAMOND RANDOM FUEL LAYOUT
SLIMLINE RANDOM FUEL PIECES LAYOUT
(ALSO COMES IN GREY AND BUFF COLOURS)



SIX RANDOM FUEL PIECES SIT AS SHOWN ON TOP OF FRONT FIBRE PIECE.
NOTE: THEY MAY HAVE TO BE TURNED SLIGHTLY TO ENSURE ENOUGH ROOM
IS AVAILABLE FOR THEM ALL TO FIT CORRECTLY



THE NEXT FOUR FUEL PIECES SIT ON TOP OF FIRST PIECES AS SHOWN SITTING
BETWEEN EACH OF THE FRONT PIECES



FINAL MIDDLE PIECE IS FITTED TO RIGHT
FOUR RANDOM FUEL PIECES SIT AS SHOWN BETWEEN THE MIDDLE RANDOM FUEL
PIECES FINISHING THE LAYOUT

ISSUE 1

ISSUE 2

INSTALLATION STEPS

TEST FOR SPILLAGE

CHECK FOR SATISFACTORY CLEARANCE OF COMBUSTION PRODUCTS

CLOSE ALL DOORS AND WINDOWS IN THE ROOM CONTAINING THE FIRE

TURN ON GAS SUPPLY , LIGHT THE FIRE AND SET THE CONTROLS TO HIGH

LEAVE THE FIRE BURNING FOR FIVE MINUTES AND INSERT A LIGHTED SMOKE MATCH ON A VERTICAL PLANE

20 mm DIRECTLY UNDER FRONT EDGE OF CANOPY AND 75mm FROM EITHER SIDE OF THE OPENING

ALL THE SMOKE MUST BE DRAWN INTO THE FLUE.

IF SPILLAGE OCCURS ALLOW A FURTHER TEN MINUTES.

SHOULD SPILLAGE STILL OCCUR TURN OFF THE FIRE AND SEEK EXPERT ADVICE

IF AN EXTRACTOR FAN IS SITUATED IN THE ROOM THIS TEST SHOULD BE REPEATED WITH THE FAN

RUNNING

IF THERE IS A CONNECTED ROOM WITH AN EXTRACTOR FAN , THE TEST SHOULD BE REPEATED WITH ALL THE DOORS TO THAT ROOM OPENED AND THE EXTRACTOR FAN RUNNING.

ISSUE1

INSTALLATION STEPS

FITTING TRIMS

FIT THE TRIM WITH FOUR MAGNETS PLACED ON THE VERTICAL SIDE FLANGES OF THE FIREBOX

(ONE AT THE TOP AND ONE AT THE BOTTOM OFFER THE TRIM UP AND PUSH INTO POSITION PLACE FRET CENTALLY IN FRONT.

INSTRUCT USER

IMPORTANT : THIS APPLIANCE IS FITTED WITH AN OXYGEN DEPLETION SENSOR INCORPORATED INTO THE PILOT BODY. SHOULD THE FIRE REPEATEDLY EXTINGUISH ITSELF

THEN SPECIALIST ADVICE SHOULD BE SOUGHT, AS THIS MAY INDICATE SPILLAGE INTO THE ROOM OF COMBUSTION PRODUCTS.

WARNING

THE OXYGEN DEPLETION SYSTEM MUST NOT BE ADJUSTED BY INSTALLER

THE OXYGEN DEPLETION SYSTEM MUST NOT BE PUT OUT OF OPERATION

WHEN REPLACING OXYGEN DEPLETION SYSTEM ONLY ORIGINAL MANUFACTURERS PARTS SHOULD BE USED

DEMONSTRATE THE LIGHTING AND EXTINGUISHING PROCEDURES TO THE USER AND REMOVAL

AND REFITTING OF THE BRASS TRIM FOR CLEANING.

THE APPLIANCE SHOULD BE OPERATED WITH THE GAS CONTROL NOT TURNED ON MORE THAN

LOW FOR THE FIRST 1 HOURS OF USE TO ALLOW THE FIBRE COALS TO CURE SLOWLY.

THE CURING EFFECT OF HEATING THE COALS AND OTHER CERAMICS COMPONENTS WILL CAUSE AN INITIAL ODOUR.

THE APPLIANCE SHOULD BE SERVICED ANNUALLY BY A COMPETENT PERSON IN ACCORDANCE WITH THESE INSTRUCTIONS AND THE APPLIANCE CHECKED FOR SPILLAGE IN ACCORDANCE WITH

THE METHOD DETAILED IN THESE INSTRUCTIONS.

HAND THESE INSTRUCTIONS TO THE USER.

SERVICING NOTES

GENERAL NOTES

SERVICING SHOULD BE CARRIED OUT ANNUALLY BY A COMPETENT PERSON SUCH AS A GAS SAFE REGISTERED PERSON IN ACCORDANCE WITH THE RELEVANT REGULATIONS TO ENSURE THE SAFE AND CORRECT OPERATION OF THE APPLIANCE.

BEFORE COMMENCING ANY SERVICE OR REPLACEMENT OF PARTS TURN OFF GAS SUPPLY TO FIRE

AFTER SERVICING CHECK FOR GAS SOUNDNESS

AT LEAST ONCE A YEAR CHECK FOR DEBRIS IN THE CATCHMENT AREA BEHIND THE FIRE AND FLUE WAY

IF SOOT HAS ACCUMULATED CHECK TO ESTABLISH CAUSE AND RECTIFY. IF NECESSARY CLEAN FLUE OR CHIMNEY ACCORDINGLY

EXAMINE THE COALS FOR SIGNS OF CRACKING AND REPLACE IF NECESSARY. SEE COAL LAYOUT PROCEDURE BEFORE ATTEMPTING TO REPLACE COALS, WHICH SHOULD ONLY BE REPLACED AS A COMPLETE SET WITH NO EXTRA COALS ADDED

1 REMOVAL OF COALS

REMOVE LOOSE COALS

REMOVE FRONT FIBRE BASE

REMOVE MAIN FIBRE BASE

2 REPLACEMENT OF GAS CONTROL

REMOVE COAL SET AS 1

DISCONNECT FIRE AT INLET ELBOW

REMOVE FIRE TRAY BY UNSCREWING TWO SCREWS AT FRONT BOTTOM SECTION OF FIRE TRAY

REMOVE CONTROL KNOB. DISCONNECT GAS CONNECTIONS TO VALVE INCLUDING PILOT CONNECTION AND THERMOCOUPLE CONNECTION

REMOVE LOCKNUT HOLDING GAS CONTROL TO FRONT BOTTOM SECTION

RE ASSEMBLE IN REVERSE ORDER

TURN ON GAS SUPPLY, CHECK FOR SOUNDNESS AND RE COMMISSION APPLIANCE

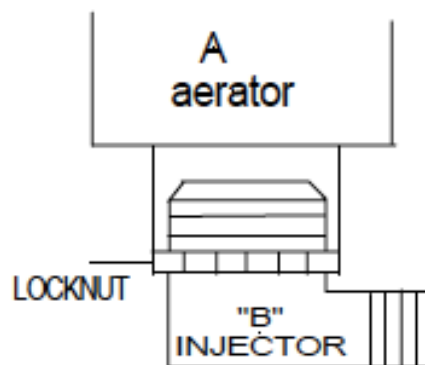
3 REPLACEMENT OF INJECTOR

REMOVE COALS SEE 1

REPEAT 2 REMOVE GAS CONTROL

DISCONNECT GAS CONNECTIONS TO INJECTOR

UNSCREW INJECTOR "B" WHILST AT SAME TIME HOLDING AERATOR CONTROL "A" WITH A SPANNER AND CLEAN OR REPLACE (REMEMBER TO RESEAL INJECTOR) **SEE DIAGRAM BELOW.**



RE ASSEMBLE IN REVERSE ORDER
TURN ON GAS SUPPLY. CHECK FOR SOUNDNESS AND RECOMMISSION THE APPLIANCE
4 REPLACEMENT OF OXY-PILOT ASSEMBLY
DISCONNECT FIRE AT INLET ELBOW
REMOVE FIRE TRAY
DISCONNECT THERMOCOUPLE FROM GAS VALVE
DISCONNECT GAS CONNECTION FROM PILOT ASSEMBLY
REMOVE IGNITOR LEAD FROM PILOT ASSEMBLY
UNDO SCREWS SECURING OXY-PILOT TO FIRE TRAY
RE-ASSEMBLE IN REVERSE ORDER
TURN ON GAS SUPPLY, CHECK FOR GAS SOUNDNESS AND RE-COMMISSION APPLIANCE.

CLEANING
GENERAL INFORMATION.

BEFORE CLEANING ANY PART OF THE FIRE, ENSURE THAT THE GAS IS TURNED OFF AND THE FIRE IS COLD.

BLACK PAINT. USE ONLY A CLEAN DAMP CLOTH. DO NOT USE ANY CLEANING AGENTS.

BRASS TRIM. USE DRY CLOTH

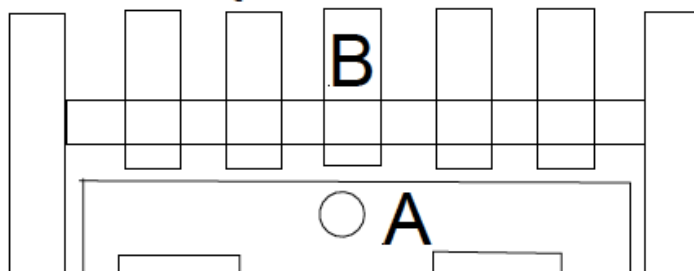
PAINT FINISH. IMPORTANT. THE PAINT FINISH IS DURABLE AND HEAT RESISTANT, HOWEVER IT WILL BE DAMAGED IF PLASTER, CEMENT OR WALLPAPER PASTE COMES INTO CONTACT WITH IT.

COALS AND CERAMICS. IF FOR ANY REASON IT IS NECESSARY TO REMOVE CERAMIC PARTS, THEN BEFORE REPLACEMENT THE BURNER SHOULD BE CHECKED THAT NO PARTICLES HAVE DEPOSITED ON THE BURNER. IF NECESSARY VACUUM THEM CAREFULLY. THEN REFER TO INSTRUCTIONS FOR REPLACING THE CERAMICS.

'After servicing, complete the relevant Service Interval
Record section of the Benchmark Checklist located on the
inside back pages of this document.'

FRET INFORMATION

A STANDARD 16 " FRET IS SUITABLE TO SIT IN FRONT OF THE HEATRAVE S/L HOWEVER A MINIMUM FREE AREA REQUIREMENT MUST BE MET AS SHOWN BELOW.



MINIMUM FREE AREA FOR AIR FLOW
ON ASH PAN COVER "A" = 30 CM²
MINIMUM FREE AREA FOR AIR FLOW
ON FRET "B" = 30 CM²

USER REPLACEMENT PARTS

CERAMIC SET CRY001S/L BRASS TRIM CRY002S/L
GAS TAP CRY003S/L PIEZO IGNITOR CRY004S/L
PILOT ASSEMBLY CRY005 S/L

Benchmark Commissioning and Servicing Section

It is a requirement that the gas fire is installed and commissioned to the manufacturers instructions and the data fields on the commissioning checklist completed in full.

To instigate the guarantee the gas fire needs to be registered with the manufacturer within one month of the installation.

To maintain the guarantee it is essential that the gas fire is serviced annually by a Gas Safe registered engineer who has been trained on the gas fire installed. The service details should be recorded on the Benchmark Service Interval Record and left with the householder



www.centralheating.co.uk

GAS FIRE COMMISSIONING CHECKLIST

This Commissioning Checklist is to be completed in full by the competent person who commissioned the gas fire as a means of demonstrating compliance with the appropriate Building Regulations and then handed to the customer to keep for future reference.

Failure to install and commission according to the manufacturer's instructions and complete this Benchmark Commissioning Checklist will invalidate the warranty. This does not affect the customer's statutory rights.

Customer name:										Telephone number:									
Address:																			
Gas Fire make and model:																			
Gas Fire serial number:																			
Commissioned by (PRINT NAME):										Gas Safe register number:									
Company name:										Telephone number:									
Company address:																			
										Commissioning date:									
To be completed by the customer on receipt of a Building Regulations Compliance Certificate*																			
Building Regulations Notification Number (if applicable):																			
Site Requirements																		Yes	N/A
Was the chimney checked to ensure it only serves one flue/fire?																			
Has the chimney been checked for obstructions?																			
Has any debris at the base of the chimney been removed?																			
For brick chimney installations is there enough depth for 12 litres of debris?																			
Have damper and register plates been removed or locked in the open position?																			
If previously used for solid fuel has the chimney been thoroughly swept?																			
If the chimney is pre-cast has the inside of the flue been checked for extruded cement / sealant which must be removed?																			
Has the fire place been checked for under-floor air supply which must be sealed off?																			
Has the chimney been inspected prior to fitting the gas fire to ensure that it is in good condition?																			
Has the structure of the chimney been checked for leakage using a smoke pellet test? (See BS5440-1 for details).																			
Ventilation																			
Does the installation require any additional ventilation requirements as detailed in the manufacturer's instructions?																			
Hearth Requirements																			
Is the hearth constructed from non -combustible material?																			
Is the hearth a minimum of 13mm thick and the top surface at least 50mm above the floor?																			
The hearth is a minimum of 760mm wide and has 300mm projecting from the fire opening?																			
Firebox																			
Have all non- used gas supply apertures been sealed (IMPORTANT OPERATION)?																			
Has the fuel bed, coals, pebbles etc. been fitted to manufacturer's instructions?																			
Gas Supply																			
Has a pressure drop test been completed prior to breaking into the gas supply?																			
Has an isolation tap/restrictor inlet elbow been fitted prior to servicing?																			
Has the gas supply been thoroughly purged prior to connection to remove any debris?																			
Gas tightness test completed and passed?																			
Record burner gas pressure reading – if only the supply pressure is available a gas rate must be undertaken.																			
Clearance Of Combustion Product																			
Installation passes smoke match test?																			
Installation																			
Has the gas fire been installed and commissioned in accordance with manufacturer's instructions?																			
The operation of the fire and controls have been demonstrated and understood by the customer?																			
The manufacturer's literature, including Benchmark Checklist and Service record has been explained and left with the customer?																			
Commissioning Engineer's Signature																			
Customer's Signature																			
(To confirm satisfactory demonstration and receipt of manufacturer's literature)																			

*All installations in England and Wales must be notified to be Local Authority Building Control (LABC) either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer.



SERVICE RECORD

It is recommended that your heating system is serviced regularly and that the appropriate Service Interval Record is completed.

Service Provider

Before completing the appropriate Service Record below, please ensure you have carried out the service as described in the manufacturer's instructions. Always use the manufacturer's specified spare part when replacing controls.

SERVICE 01	Date:	SERVICE 02	Date:
Engineer name:		Engineer name:	
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
Comments:		Comments:	
Signature		Signature	

SERVICE 03	Date:	SERVICE 04	Date:
Engineer name:		Engineer name:	
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
Comments:		Comments:	
Signature		Signature	

SERVICE 05	Date:	SERVICE 06	Date:
Engineer name:		Engineer name:	
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
Comments:		Comments:	
Signature		Signature	

SERVICE 07	Date:	SERVICE 08	Date:
Engineer name:		Engineer name:	
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
Comments:		Comments:	
Signature		Signature	

SERVICE 01	Date:	SERVICE 01	Date:
Engineer name:		Engineer name:	
Company name:		Company name:	
Telephone No:		Telephone No:	
Gas safe register No:		Gas safe register No:	
Comments:		Comments:	
Signature		Signature	

*All installations in England and Wales must be notified to be Local Authority Building Control (LABC) either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer.

USERS INSTRUCTIONS

USERS INSTRUCTIONS YOUR DIAMOND GAS APPLIANCE

Crystal fires ltd is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark is managed and promoted by the Heating and Hot water Industry Council. For more information visit www.centralheating.co.uk

IMPORTANT NOTES

YOUR DIAMOND IS A LIVE FUEL EFFECT GAS FIRE. DUE TO ITS NEWNESS THE FIRE MAY GIVE OFF A SLIGHT SMELL FOR A SHORT PERIOD AFTER INSTALLATION. THIS IS QUITE NORMAL AND WILL DISAPPEAR AFTER A FEW HOURS OF OPERATION.

THE APPLIANCE TO WHICH THESE INSTRUCTIONS APPLY MUST BE INSTALLED BY A COMPETENT PERSON (EG A C.O.R.G.I. MEMBER IN ACCORDANCE WITH THE CURRENT EDITION OF THE GAS SAFETY (INSTALLATIONS AND USE) REGULATIONS OR THE RULES IN FORCE) . IT MUST ALSO BE APPROVED BY THE HEALTH AND SAFETY EXECUTIVE AND MUST BE IN ACCORDANCE WITH THE INSTALLATION AND SERVICING INSTRUCTIONS SUPPLIED.

SERVICING SHOULD BE CARRIED OUT REGULARLY BY A COMPETENT PERSON (E G C.O.R.G.I MEMBER) IN ACCORDANCE WITH THE CURRENT EDITION OF THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS OR THE FRULES IN FORCE. TO ENSURE THE CORRECT AND SAFE OPERATION OF THE APPLIANCE , DEBRIS SHOULD ALSO BE REMOVED FROM BEHIND THE APPLIANCE AT REGULAR INTERVALS.

BEFORE INSTALLATION OF THE APPLIANCE THE CHIMNEY MUST BE THOROUGHLY SWEEPED AND THEN INSPECTED REGULARLY TO ENSURE THAT IT REMAINS FREE OF OBSTRUCTION.

A FIRE GUARD COMPLYING TO BS6539 OR BS6778 MUST BE FITTED IF THE ROOM WILL BE OCCUPIED BY YOUNG CHILDREN OR THE ELDERLY OR INFIRM PEOPLE.

ON NO ACCOUNT MUST ANY RUBBISH BE THROWN ON TO THE FIRE , OR THE LAYOUT OF THE FIRE BED DISTURBED.

CLEARANCES

SHELVES

MINIMUM CLEARANCE FROM HEARTH TO UNDERSIDE OF COMBUSTABLE SHELF MUST BE 800mm PROVIDED SHELF DEPTH IS 150mm OR LESS.

WHEN THE SHELF DEPTH IS INCREASED BY INCREMENTS OF 12.5mm GREATER THAN 150mm ADD 25mm TO THE 800mm MINIMUM CLEARANCE.

SOFT FURNISHINGS, DECORATIONS AND SOME WALL COVERINGS MAY DISCOLOUR OR SCORCH IF POSITIONED TOO CLOSE TO THE FIRE, BEAR THIS IN MIND WHEN REDECORATING.

OPERATING INSTRUCTIONS

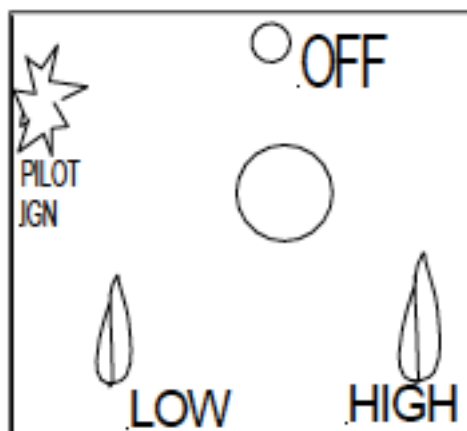
THE APPLIANCE DATA BADGE IS POSITIONED ON THE FRONT BOTTOM SECTION OF THE APPLIANCE AND CARRIES THE CONTROL KNOB POSITIONS, THE FULL LIGHTING PROCEDURE IS AS FOLLOWS.

(SEE FIG 1)

1. PUSH CONTROL KNOB IN AS FAR AS POSSIBLE ON GAS CONTROL
2. TURN KNOB ANTICLOCKWISE TO IGNITION POSITION AS SHOWN IN FIG 1 STILL KEEPING KNOB PRESSED IN AS FAR AS POSSIBLE.
3. THE IGNITION BUTTON WILL IGNITE THE PILOT WITH THIS OPERATION. **KEEP THE KNOB PRESSED IN FOR 15 SECONDS.** IF THE PILOT FAILS TO LIGHT TURN THE CONTROL KNOB CLOCKWISE TO THE OFF POSITION. WAIT 3 MINUTES AND REPEAT THE PROCEDURE.
4. WHEN THE PILOT FRAME IS ALIGHT THE CONTROL KNOB SHOULD BE ALLOWED TO SPRING OUT SLIGHTLY . TURN THE KNOB FULLY ANTICLOCKWISE TO THE HIGH POSITION. THE PILOT FLAME WILL THEN IGNITE THE MAIN BURNER . THE PILOT FLAME CAN BE VIEWED TO THE RIGHT OF THE FIRE JUST BEHIND THE FRONT COAL BED.
5. THE HEIGHT OF THE FLAMES CAN BE ADJUSTED BY TURNING THE CONTROL KNOB BETWEEN THE LOW AND HIGH POSITIONS AND MUST BE PUSHED IN SLIGHTLY BEFORE IT IS TURNED.
6. TO TURN THE FIRE OFF, DEPRESS THE KNOB SLIGHTLY AND TURN IT TO THE PILOT POSITION.
7. TO COMPLETELY EXTINGUISH THE FIRE , DEPRESS THE KNOB SLIGHTLY AND TURN TO THE OFF POSITION.
8. SHOULD THE SPARK IGNITION FAIL TO OPERATE, TURN THE CONTROL KNOB TO THE OFF POSITION AND WAIT 3 MINUTES. TURN THE KNOB TO THE IGNITION POSITION AND THEN LIGHT THE PILOT WITH A TAPER. (SEE FIG 2). “ LIGHTING WITH A TAPER IS AN EMERGENCY MEASURE AND THE APPLIANCE SHOULD BE SERVICED AS SOON AS POSSIBLE.” AND THEN PROCEED AS STATED IN PARAGRAPHS 2/7.

IMPORTANT: THIS APPLIANCE IS FITTED WITH AN OXYGEN DEPLETION SENSOR INCORPORATED INTO THE PILOT BODY. SHOULD THE FIRE REPEATEDLY EXTINGUISH ITSELF

THEN SPECIALIST ADVICE SHOULD BE SOUGHT, AS THIS MAY INDICATE SPILLAGE INTO THE ROOM OF COMBUSTION PRODUCTS.



CLEANING
GENERAL INFORMATION.

BEFORE CLEANING ANY PART OF THE FIRE, ENSURE THAT THE GAS IS TURNED OFF AND THE FIRE IS COLD.

BLACK PAINT. USE ONLY A CLEAN DAMP CLOTH. DO NOT USE ANY CLEANING AGENTS.

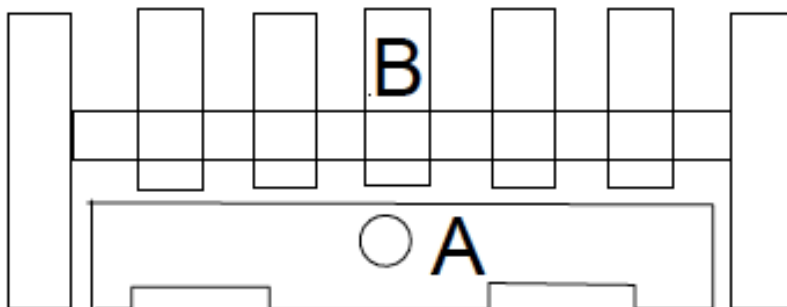
BRASS TRIM. USE DRY CLOTH

IMPORTANT. THE PAINT FINISH IS DURABLE AND HEAT RESISTANT, HOWEVER IT WILL BE DAMAGED IF PLASTER, CEMENT OR WALLPAPER PASTE COMES INTO CONTACT WITH IT.

COALS AND CERAMICS. IF FOR ANY REASON IT IS NECESSARY TO REMOVE CERAMIC PARTS , THEN BEFORE REPLACEMENT THE BURNER SHOULD BE CHECKED THAT NO PARTICLES HAVE DEPOSITED ON THE BURNER. IF NECESSARY VACUUM THEM CAREFULLY, THEN REFER TO INSTRUCTIONS FOR REPLACING CERAMICS. THE COAL EFFECT LAYOUT MUST NOT BE ALTERED AND ONLY THE PIECES SUPPLIED MUST BE USED.

FRET INFORMATION

A STANDARD 16 “ FRET IS SUITABLE TO SIT IN FRONT OF THE HEATRAVE S/L , HOWEVER A MINIMUM FREE AREA REQUIREMENT MUST BE MET AS SHOWN BELOW.

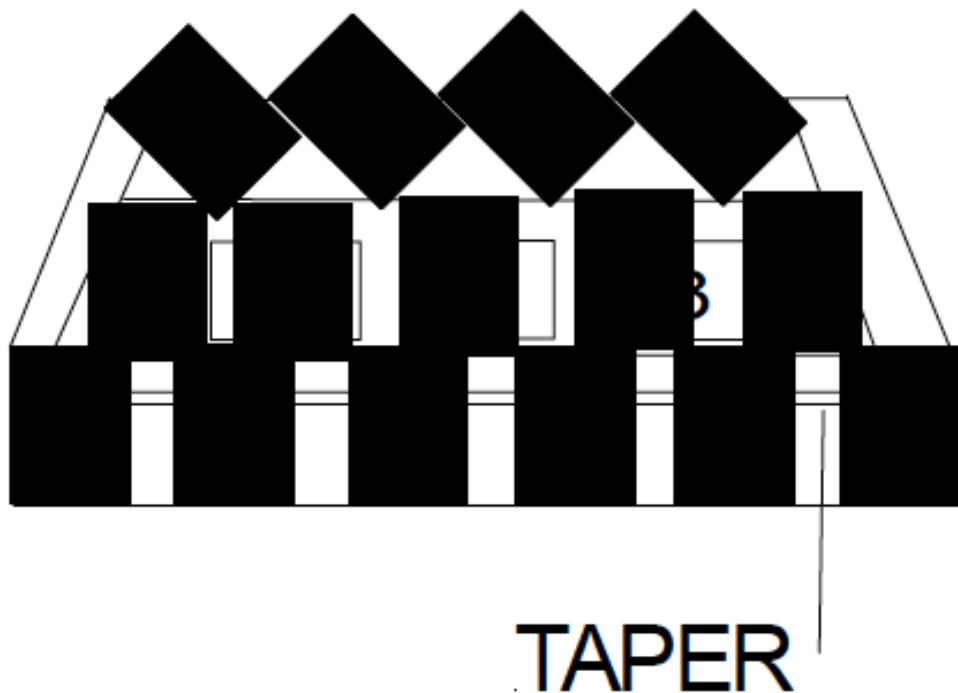


MINIMUM FREE AREA FOR AIRFLOW
ON ASH PAN COVER “A” = 30CM²
MINIMUM FREE AREA FOR AIR FLOW
ON FRET “ B “ = 30 CM²

USER REPLACEMENT PARTS

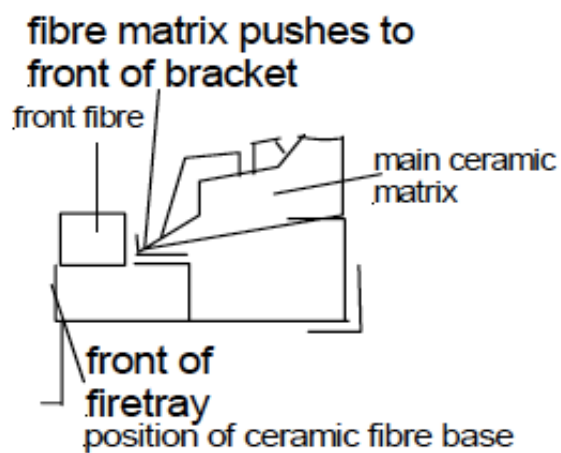
CERAMIC SET CRY001DIAM

BRASS TRIM CRY002DIAM



TO LIGHT WITH A TAPER, PUSH LIGHTED TAPER TOWARDS PILOT LIGHT AS SHOWN ABOVE WHILST FOLLOWING OPERATING INSTRUCTIONS.

COAL BED LAYOUT



PERIODICALLY SMALL DEPOSITS OF SOOT MAY GATHER ON THE COALS AND BURNER. THIS MUST BE REMOVED BY REMOVING COALS, AND BRUSHING OR VACUUMING ANY DEPOSITS, THEN REPLACE COALS USING THE FOLLOWING PROCEDURE

DIAMOND RANDOM FUEL LAYOUT
SLIMLINE RANDOM FUEL PIECES LAYOUT
(ALSO COMES IN GREY AND BUFF COLOURS)



SIX RANDOM FUEL PIECES SIT AS SHOWN ON TOP OF FRONT FIBRE PIECE.
NOTE: THEY MAY HAVE TO BE TURNED SLIGHTLY TO ENSURE ENOUGH ROOM
IS AVAILABLE FOR THEM ALL TO FIT CORRECTLY



THE NEXT FOUR FUEL PIECES SIT ON TOP OF FIRST PIECES AS SHOWN SITTING
BETWEEN EACH OF THE FRONT PIECES



FINAL MIDDLE PIECE IS FITTED TO RIGHT
FOUR RANDOM FUEL PIECES SIT AS SHOWN BETWEEN THE MIDDLE RANDOM FUEL
PIECES FINISHING THE LAYOUT

ISSUE 1

ISSUE 2

Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

The Benchmark Checklist will be required in the event of any warranty. “

TERMS & CONDITIONS

THE APPLIANCE MUST HAVE A GAS NOTIFICATION

AS OF 01/03/2016 BENCHMARK FORM MUST BE FILLED IN COMPLETELY AT TIME IF INSTALLATION

Two Year Parts & Labour Guarantee.

Crystal Fires Ltd guarantees your fire for two years against defective manufacturing and material, including parts and labour, subject to the following terms and conditions.

Further Three Year Parts Only Guarantee.

Your Crystal Fire is covered for a further three years for parts only against defective manufacturing and materials, subject to the following terms and conditions.

1. This guarantee applies to gas fires only. Electrical appliances are not included.
2. Installation must be carried out by a qualified Gas Safe Registered engineer, in accordance with the supplied instructions and a gas safety certificate must be issued by the installer. The product must be operated in accordance with the supplied instructions.
3. The enclosed guarantee registration form must be fully and correctly completed and returned to Crystal Fires within 14 days of the installation.
4. The fire must be serviced annually by a Gas Safe Registered engineer and a gas safety certificate must be issued by the engineer, irrespective of the amount of use of the appliance. The service must include replacement of the oxy pilot assembly.
5. The appliance must be kept free from dust, dirt and debris by the user, in accordance with the cleaning instructions.
6. This guarantee is non-transferable and is made to the original owner provided that the purchase was made through an approved Crystal Fires stockist.
7. This guarantee is limited to the repair or replacement of parts found to be defective in material or workmanship after confirmation of the defect by a Crystal Fires engineer, provided that such parts have been subjected to normal conditions of use.
8. Any installation, labour, transportation or any other related costs or expenses arising from defective parts, repair or otherwise of same, are not covered by the guarantee, nor shall Crystal Fires assume responsibility for them. Furthermore, Crystal Fires will not be responsible for any incidental, indirect or consequential damages, except as provided by law.
9. All other guarantees – expressed or implied – with respect to the product, its components and accessories or any obligations or liabilities on the part of Crystal Fires are hereby expressly excluded.
10. Crystal Fires neither assumes nor authorises any third party to assume on its behalf, any other liabilities with respect to the sale of this Crystal Fire appliance.
11. This guarantee does not apply to any other product not manufactured by Crystal Fires, such as prefabricated flue boxes and flues.
12. Crystal Fires will not be responsible for:-
 1. Down drafts or spillage caused by environmental conditions such as nearby trees, buildings, rooftops, hills or mountains.
 2. Inadequate ventilation or negative air pressure caused by mechanical systems such as extraction fans, cooker extraction hoods, clothes dryers etc.
13. This guarantee is void if:-
 1. The appliance has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals.
 2. The appliance is subjected to prolonged periods of dampness or condensation.
 3. Any damage to the combustion chamber, heat exchanger or other components due to water or weather damage which is the result of, but not limited to, improper chimney/venting insulation.
 4. Any alteration, wilful abuse, accident or misuse of the product.
14. This guarantee does not apply to:-
 1. Parts that need to be replaced on a routine basis e.g. coals.
 2. Cosmetic blemishes to polished metal and painted surfaces.
 3. Surface crazing to fibre liners.
 4. remote control handsets, switch panels or receivers or discolouring or marking on glass