

# MULTIGLOW *Fires*

# *Classic*

DECORATIVE FUEL EFFECT APPLIANCES  
FOR USE WITH NATURAL GAS

## **INSTALLATION, SERVICING & USER INSTRUCTIONS**

THESE INSTRUCTIONS TO  
BE LEFT WITH THE USER

MANUFACTURED BY:  
**MULTIGLOW FIRES**  
Canterbury Road, St Nicholas-At-Wade  
Kent CT7 0PQ



## CONFORMITY

Because Multiglow Fires believe in the use of modern technology and materials, they reserve the rights to modify or change the layout and controls of their burner trays, at any time, whilst still complying with current specifications.

Therefore, these 'Instructions' are a general guide only and are not specifically in compliance with the shape or size of your appliance. These units must be installed in line with the current '**GAS SAFETY (INSTALLATION AND USE) REGULATION**' applicable to the country of use.

**WARNING: ONLY USE THE APPROVED REFRACTORIES SUPPLIED WITH THIS APPLIANCE**

**NOTE:** For the efficient operation of this burner tray, it should be used in conjunction with a fret or basket that has a minimum gapping of 25% to allow the unimpeded passage of air.

**NOTE:** No additional coals to be used other than those supplied with the fire.

**WARNING: PLEASE DO NOT REMOVE WHITE FIBRE BLANKET FROM BURNER TRAY.**

**WARNING: THE BASKET OR FRETS ON YOUR FIRE WILL BECOME HOT DURING USE – CARE SHOULD BE TAKEN WHEN OPERATING THE CONTROLS**

## GENERAL NOTES

- (1) The MULTIGLOW CLASSIC is a decorative fuel effect gas fire with secondary aeration and is intended for decorative use only. It is designed to operate on Natural Gas and to be fitted into a conventional hearth with a Class 1 chimney using non-combustible materials, and with a minimum flue opening of 178mm (7") diameter.

**ON NO ACCOUNT MUST THE APPLIANCE STAND ON COMBUSTIBLE MATERIALS OR CARPETS**

**WARNING:** The MULTIGLOW CLASSIC conforms to the relevant Safety Standards but during use, there are naked flames and parts of the casing become hot. A suitable guard (to BS.6539 fireguards for use with solid fuel appliances) is therefore recommended, where the young, elderly or infirm are concerned.

## GENERAL & TECHNICAL DATA

(2)

SIZE	A	B	C	D	F	G
RANGE IN SQ. CM (Surface Area)	250/380	350/600	550/750	700/1000	700/1000	950/1250
MASS IN kg (Inc. of Packaging)	5.0	5.5	6.0	6.35	6.0	6.35
GAS DATA	←———— G20 GAS CAT.I2H —————→					
NET HEAT INPUT KW (BTU/HR)	4.2 14330	6.2 21154	7.5 25590	9.1 31049	9.3 31731	13.8 47085
CONTROLS	←———— MULTI FUNCTIONAL —————→					
INJECTORS (Main restrictor mm dia.) PILOT	1.6	2.0	2.2	2.5	2.7	3.5
CONNECTION	←———— 8mm COMPRESSION CONNECTOR —————→					
SUPPLY PRESSURE (Working)	←———— 20mBAR —————→					
FLOW RATE (Mtrs 3/hr high + or - 5%)	0.44	0.64	0.79	0.96	0.99	1.47
DATA LABEL	←———— AFFIXED TO BURNER TRAY —————→					

**NOTE:** Sizes A and B are rated below 7kw, therefore no VENT is required if the flue flow for the clearance of the products of combustion is correct.

**NOTE:** Size circled corresponds to this appliance.

**NOTE:** The appliance must be installed in accordance with the current edition of BS.5871 Part 3 and the current building regulations.

This appliance has been factory set to a given flow rate (see Technical Data) and no further adjustment should be required to check the appliance.

## INSTALLATION REQUIREMENTS

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### 3.1 REGULATIONS AND CODE OF PRACTICE

In your own interest and safety it is law that all gas appliances are installed by a competent person, in accordance with the current Gas Safety (Installation and Use) Regulation.

In addition, they must be carried out in accordance with relevant and current Local and National Building Regulations.

**3.2** The minimum fireplace surround, hearth and builders opening shall be of non-combustible material.

**WARNING:** This appliance must not be fitted in any room where steam is present.  
(e.g. Bathroom)

**3.3** The appliance must be mounted behind a non-combustible hearth and be 50mm (2") above floor level to discourage the over-laying of carpets or rugs etc.

**3.4** The minimum clearance height above fireplace opening for a combustible shelf (having a depth of 150mm (6")) is 200mm (8"), add 12mm (½") for each additional 25mm (1") depth of shelf.

**WARNING:** Please note that soft wall coverings may become discoloured when close to a heating appliance – this should be born in mind.

**3.5** The minimum flue opening is 178mm (7") diameter 250 sq. cm. (38½ sq. inches) and a minimum effective height 3m (10ft). Provided that the flue, which is to serve this appliance, satisfies the requirements of BS 5871: PART 3 then a terminal in-line fan satisfying BS 5440: PART1 may be used to improve flue draught.

**WARNING:** The flue must **NOT** be shared with any other appliance.

**3.6** All chimney dampers or restrictions should be removed or permanently fixed in the open position.

**WARNING:** If the fireplace has previously been used with solid fuel the flue should be swept clean prior to installation.

**3.7** The room in which the appliance is to be fitted must have permanent air vent with a minimum effective area of 100cm sq. (15½ sq. inches) and be accessible to the outside air, unless specifically stated otherwise by the manufacturer.

**NOTE:** Vent should be checked on a regular basis to ensure that there is no obstruction

**WARNING:** An extractor fan must not be fitted in the room that the ventilation is taken from.

## PRE-INSTALLATION CHECK

(4)

### 4.1 CHECK FOR FLUE PULL

Apply a lighted taper, or smoke match 50mm in from the top edge of the chimney opening. Observe the smoke. If there is a definite flow upwards continue with the installation.

**WARNING:** If there is no definite flow, the chimney may need attention – seek expert advice.

### 4.2 CHECK FIREPLACE FLOOR

Make sure that fireplace floor is level and sound. Make good, if necessary.

### 4.3 CHECK CARTON CONTENTS

**CONTENTS:**

- 1 x Installation & Servicing Instructions
- 1 x Burner Control Unit
- 1 x Nut and Olive for 8mm Inlet Pipe
- 1 x 1½ meter 8mm Copper Pipe
- 1 x Pack of Coals/Logs

4.4 Check that there is a gas supply/isolating tap fitted and working.

4.5 Prior to installation, ensure that local distribution conditions (identification of type of gas and pressure) and the adjustment of the appliance are compatible.

## INSTALLATION

(5)

### 5.1 CHECK IGNITION ELECTRODE SPARK (SEE FIG.1)

The pilot and ignition unit is mounted to the right of the main burner unit.

The pilot burner is ignited by a spark produced when pushing in and turning control knob (fig.3) anti-clockwise until there is a definite click.

Check that a spark is produced between pilot burner and piezo electrode.

### 5.2 POSITIONING

The fire should be fitted under the flue opening such that no part of the fire bed projects beyond the fireplace opening. If Your appliance is fitted with legs, it is a freestanding type and is to be secured to the hearth floor.

Proceed as follows:

- (a) Place appliance centrally into fire opening so that the back of the burner tray touches the rear wall of the fireback insert.
- (b) Mark the hearth floor through the fixing holes provided in appliance mounting legs.
- (c) Remove appliance and using a suitable masonry drill, drill marked positions and fit suitable raw plugs.
- (d) Replace and realign appliances, secure into position with suitable screws.

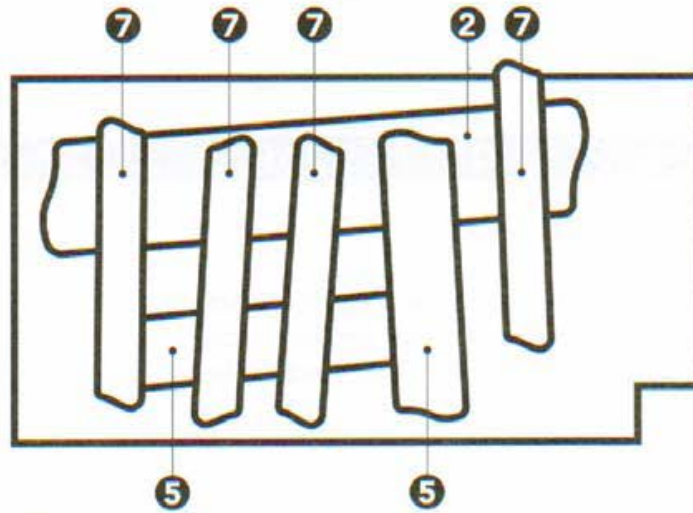
**NOTE:** If appliance is to be used in conjunction with a free-standing basket, place burner tray into basket and position both burner tray and basket centrally into hearth opening

# APPENDIX 1

## LOG LAYOUTS

### 'F' RANGE

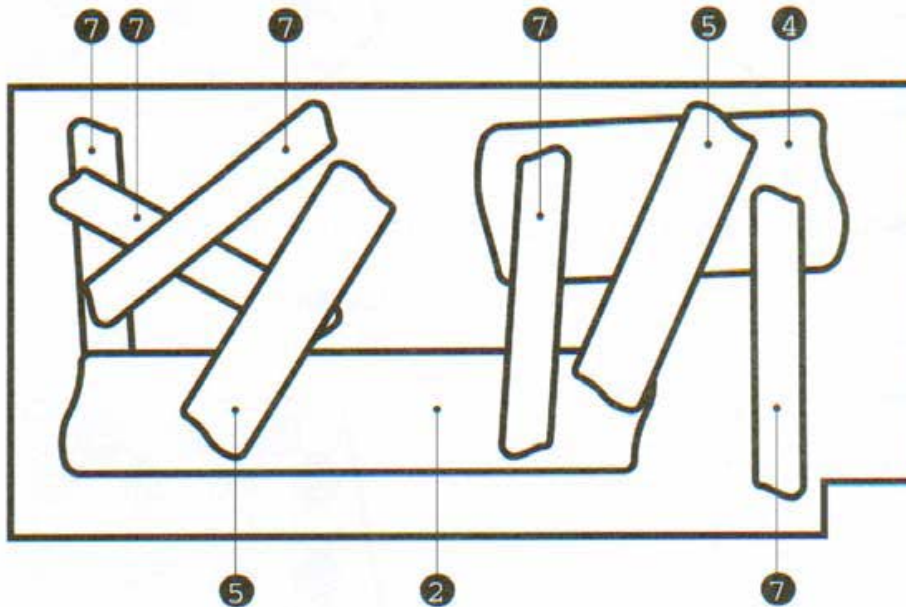
2 LAYERS



2 Logs on first layer (1 x No.2, 1 x No.5)  
5 Logs on second layer (4 x No.7, 1 x No.5)

### 'G' RANGE

2 LAYERS



2 Logs on first layer (1 x No.7, 1 x No.4)  
7 Logs on second layer resting at various angles (1 x No.2, 4 x No.7, 2 x No.5)

### 5.3 CONNECT TO GAS SUPPLY

Purge the pipe to remove air and debris BEFORE connection the fire.

8mm pipe should be used to connect valve to an isolating tap which must be adjacent to the appliance. (So that when tap is closed appliance is totally isolated).

**WARNING:** Flexible pipe must not be used.

5.4 Turn on gas supply and check for gas soundness. (Tests should be carried out in accordance with current Gas Safety Regulations.)

## COAL PLACEMENT

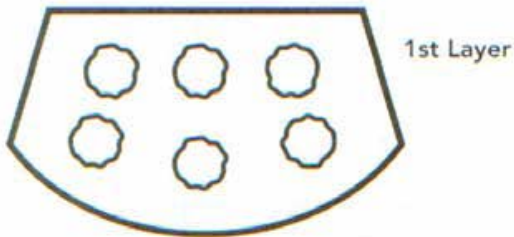
**NOTE:** For Log Placement see page 7.

5.5 The following are the coal layouts for each range and size of burner tray. It is recommended that these layouts be followed so that your appliance meets and continues to meet European Standard with regard to combustion. To check which layout to use please see Data Plate which specifies size and Net KW of the appliance.

**RANGE 'A' – 4.2 KW:** TOTAL COALS – 11 LAID IN 2 ROWS AND IN 2 LAYERS.

**LAYER 1.**

6 Coals in 2 rows of 3.



**LAYER 2.**

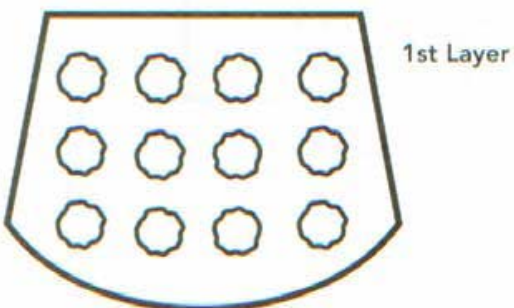
5 Coals in 2 rows (1 row of 3 and 1 row of 2)



**RANGE 'B' – 6.2 KW:** TOTAL COALS – 23 LAID IN 3 ROWS AND 2 LAYERS.

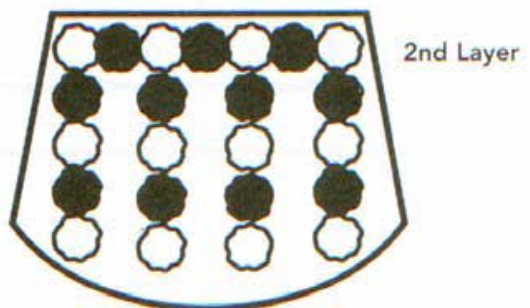
**LAYER 1.**

12 Coals in 3 rows of 4.



**LAYER 2.**

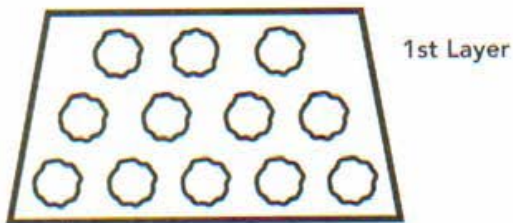
11 Coals in 3 rows (1 row of 3 and 2 of 4)



**RANGE 'C' – 7.5 KW: TOTAL COALS – 21 LAID IN 3 ROWS AND 2 LAYERS.**

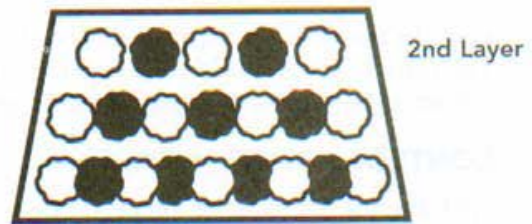
**LAYER 1.**

12 Coals in 2 rows  
(1 row of 5, 1 row of 4 and 1 row of 3)



**LAYER 2.**

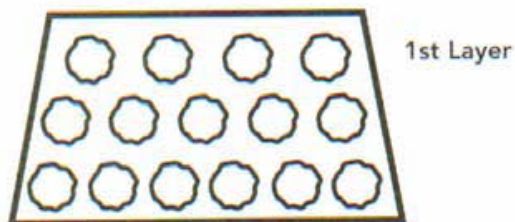
9 Coals in 3 rows  
(1 row of 4, 1 row of 3 and 1 row of 2)



**RANGE 'D' – 9.1 KW: TOTAL COALS – 30 LAID IN 3 ROWS AND 2 LAYERS.**

**LAYER 1.**

15 Coals in 3 rows, 1 row of 6,  
1 row of 5 and 1 row of 4.



**LAYER 2.**

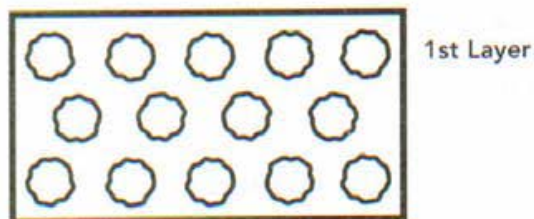
15 Coals placed directly on top of the  
first layer.



**RANGE 'F' – 9.3 KW: TOTAL COALS – 25 LAID IN 3 ROWS AND 2 LAYERS.**

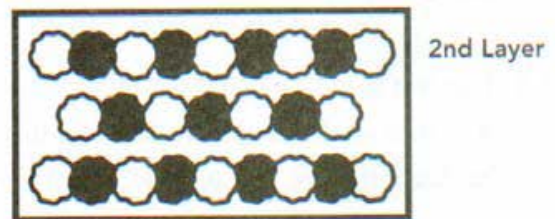
**LAYER 1.**

14 Coals in 3 rows, 2 rows of 5 and 1 row of 4.



**LAYER 2.**

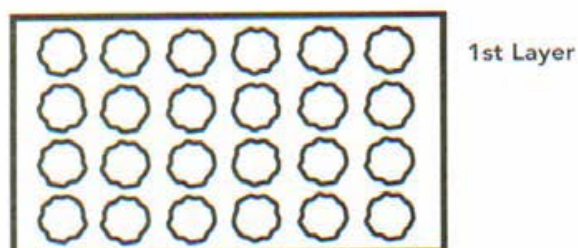
11 Coals in 3 rows, 2 rows of 4 and 1 row of 3.



**RANGE 'G' – 13.8 KW: TOTAL COALS – 45 LAID IN 4 ROWS AND 2 LAYERS.**

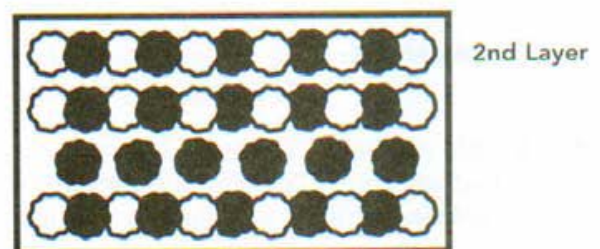
**LAYER 1.**

24 Coals in 4 rows of 6



**LAYER 2.**

21 Coals in 4 rows (3 rows of 5 and 1 row of 6)



## FUNCTION CHECKS

(6)

### 6.1 PILOT IGNITION

#### Turn on gas supply

Push in and turn the Control Valve Knob (*fig.2*) anti-clockwise until there is a definite click. The pilot burner should now be lit, hold control knob in for 10 seconds, then release. The pilot burner should remain alight (if not, repeat the operation).

### 6.2 CONTROL POSITION (FIG.3)

**6.2.1** With the pilot burner lit, push in Control Valve Knob and turn fully anti-clockwise to the 'High' position. The main burner will ignite.

**6.2.2** On lighting the main burner, it should remain on its 'High' setting for 10 minutes before turning to the 'Low' position.

**6.2.3** Turn Control Valve Knob back clockwise to the 'Low' position. The flames will lower but remain alight.

**6.2.4** Depress knob slightly and turn clockwise to the pilot position. The main burner will extinguish but the pilot will remain alight.

**6.2.5** Depress knob slightly and turn clockwise to the 'Off' position. The pilot will now go out.

### 6.3 REFERENCE PRESSURE (FIG.4)

The appliance is preset to the given heat input for the inlet working pressure given on the Data Plate. No further adjustment should be necessary. However, the burner can be checked by carrying out a KW Meter Check (see Technical Data M<sup>3</sup>/hr).

**NOTE:** A Pressure Test Point must be fitted before the Valve Gas Inlet.

### 6.4 CHECK FOR SPILLAGE (FIG.5)

**IMPORTANT:** A SPILLAGE CHECK MUST BE MADE BEFORE THE INSTALLED APPLIANCE IS HANDED OVER TO THE CUSTOMER.

**6.4.1** This test is to be carried out with the appliance fully fitted and front grate in position.

(a) Close all doors and windows of the room in which appliance is fitted.

(b) Light the fire and set the control to maximum and leave for five (5) minutes.

**6.4.2** After five (5) minutes, light a smoke match and position flush with fireplace opening, a minimum of 50mm (2") from side and a maximum of 50mm (2") from top.

The installation is satisfactory if the smoke is drawn into the chimney and out of the room. If this does not happen then leave alight for a further ten minutes and check again.

**WARNING:** If smoke is still not drawn into the chimney, turn off and disconnect the appliance and seek expert advice.

**WARNING:** If the fire goes out under normal operation and continues to go out after relighting, spillage has occurred and the flue should be checked.

**6.4.3** This appliance is fitted with a pre-set Oxygen Depletion System incorporated in the Pilot Ignition Unit. Therefore this system must not be adjusted or put out of operation and must be replaced with a complete unit of original manufacture in the event of renewal.

## FINAL CHECK & CUSTOMER BRIEFING

(7)

- 7.1 Instruct the customer on the full operation of the appliance.
- 7.2 Recommend to the customer that the appliance should be serviced by a competent person annually.
- 7.3 Recommend to the customer that on a yearly basis the flue should be swept and that rubbish should not be burnt on the fire or fuel bed disturbed.
- 7.4 Instruct the customer that the pilot and flame sensing device fitted to this fire, also acts as an atmospheric sensing device, which shuts off the appliance if the evacuation of the products of the combustion is interrupted.

If the fire shuts off, restart the main burner as stated in section 6. If the appliance fails to relight or repeatedly cuts off, then do not use and inform a qualified person.

- 7.5 Hand over these User Instructions to the Customer.

## SERVICING

(8)

### SPARES LIST See Figs. 1, 2 & 3

FIG. NO.	DESCRIPTION	PART NO.	QTY.
1	PILOT BURNER & IGNITION UNIT		1
2	CONTROL VALVE COVER/KNOB		1
3	MAIN CONTROL VALVE		1

All servicing of this appliance is to be carried out by a competent person.

Turn off gas supply before commencing any servicing. Always test for gas soundness and spillage after refitting the appliance.

### 8.1 GENERAL MAINTENANCE

At yearly intervals, turn off and allow to cool down. Check all coals/logs, pilot burner/ignition unit, for soot or debris deposits. These can cause imperfect flame appearance and should be removed by lightly vacuuming. Replace all misplaced coals/logs and relight.

**NOTE:** On the failure of either the pilot burner/ignition unit, or main control valve, have repairs carried out by a competent person.

## **8.2 RENEWING PILOT BURNER/IGNITION UNIT (FIG.1)**

**8.2.1** Isolate gas supply.

**8.2.2** Remove all coal/logs, remove front grate bars where applicable and coal/log support fingers - store in a safe place.

**8.2.3** Disconnect main 8mm gas supply pipe from control valve (*fig.3*).

**8.2.4** Remove appliance fixing screws from fireplace floor and remove appliance from fireplace.

**8.2.5** Undo and remove thermocouple nut from the rear of control valve.

**8.2.6** Disconnect and remove piezo ignition wiring from ignition electrode (*fig.1*).

**8.2.7** Undo and remove the gas supply pipe from the bottom of pilot burner (*fig.1*).

**8.2.8** Undo and remove 2 x 4mm locating nuts on pilot/ignition unit. Remove unit.

**8.2.9** Replace with new unit and reassemble in reverse order.

## **8.3 RENEWING FLAME FAILURE CONTROL VALVE (FIG.3)**

**8.3.1** Proceed as **8.2.1** to **8.2.5**.

**8.3.2** Undo and remove the main burner gas supply pipe (*fig.3*).

**8.3.3** Undo and remove the pilot gas supply pipe located on the body of the main valve (*fig.3*).

**8.3.4** Remove Control Knob by pulling firmly (*fig.2*).

**8.3.5** Remove Control Valve Cover (*fig.2*).

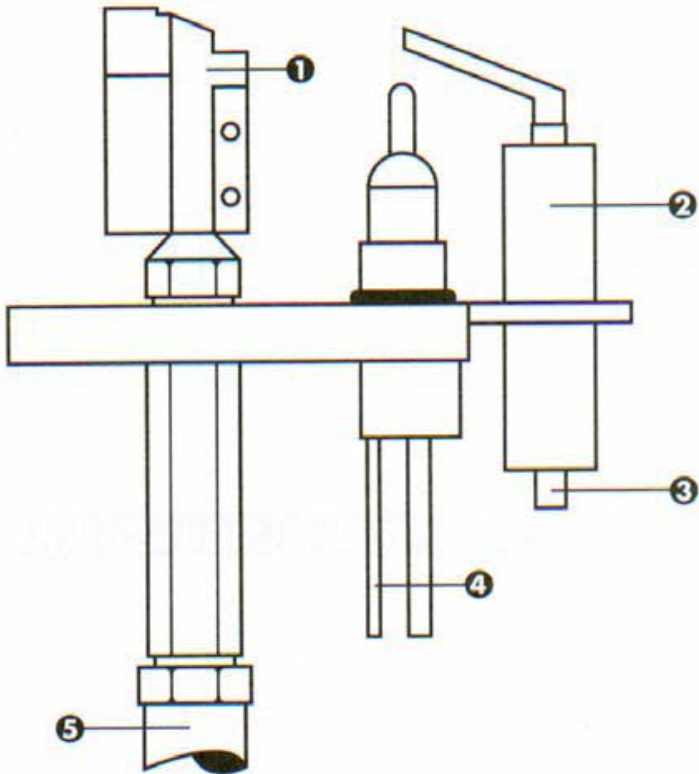
**8.3.6** Remove Main Valve Unit by removing Securing Screw.

**8.3.7** Replace with new unit and reassemble in reverse order.

**PILOT & IGNITION UNIT**

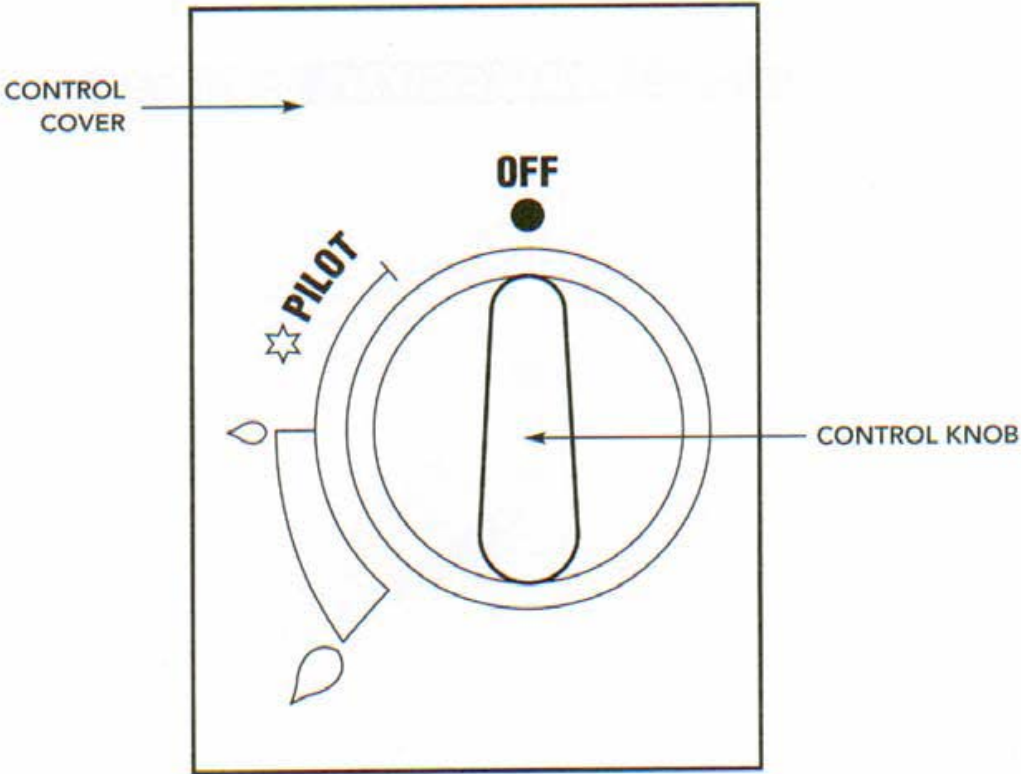
Fig.1

- ❶ Pilot Burner
- ❷ Ignition Electrode
- ❸ Piezo Lead Connection
- ❹ Thermocouple
- ❺ 4mm Copper Tube Connection



**BURNER & PILOT CONTROL  
PUSH IN & TURN ANTI-CLOCKWISE**

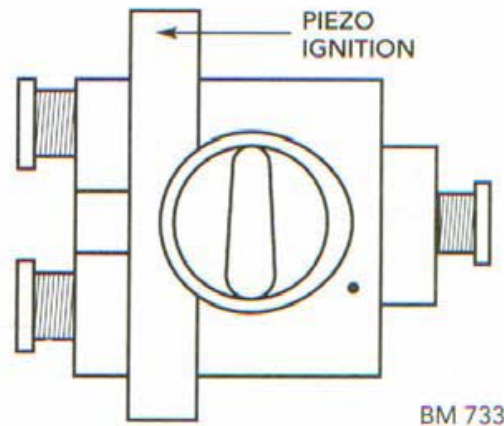
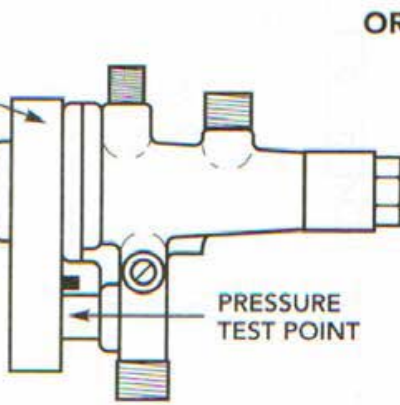
Fig.2



**FLAME FAILURE CONTROL VALVE WITH INTEGRAL PIEZO IGNITION**

Fig.3

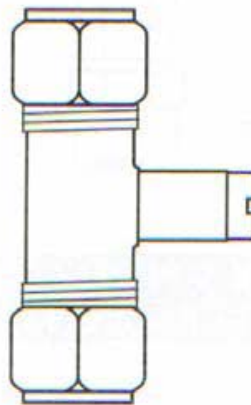
Seagas Valve  
GH 687 003 01



BM 733

**PRESSURE TEST POINT**

Fig.4



**SPILLAGE TEST**

Fig.5

