

# INSTALLATION & OPERATING INSTRUCTIONS

## JETMASTER ZERO CLEARANCE



### JETMASTER (VIC) PTY LTD

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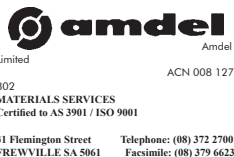
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# CONTENTS

<b>Jetmaster Air Ventilated Zero Clearance Fireplace</b>	<b>1</b>
<b>Zero Clearance - Timber Clearance Installation Instructions</b>	<b>2 - 4</b>
<b>Framing Specifications</b>	<b>5 - 6</b>
<b>OPEN WOOD FIREPLACE - Minimum Flue Height</b>	<b>7</b>
<b>OPEN GAS FIREPLACE - Minimum Flue Height</b>	<b>8</b>
<b>Open Gas Jetmaster</b>	<b>9</b>
<b>Open Gas Jetmaster</b>	<b>10</b>
<b>Open Wood Jetmaster</b>	<b>11</b>
<b>Operating and Maintenance Instructions - For wood burning Jetmaster</b>	<b>12</b>

# Jetmaster Air Ventilated Zero Clearance Fireplace



## DOMESTIC SOLID FUEL BURNING APPLIANCE – TEST REPORT SUMMARY

**CLIENT:** Jetmaster (Vic) Pty Ltd **REPORT NO:** M7100/92  
**CLIENT REF:** Request by Jetmaster **DATE:** 19/8/92  
**TEST SPECIFICATION:** Australian Standard 2918:1990, Appendix B  
**TEST FUEL:** Wood **TEST DATE:** 6 August 1992

### APPLIANCE:

**Model:** Jetmaster Zero Clearance Fireplace  
**Manufactured by:** Jetmaster (Vic) Pty Ltd

### FLUE SYSTEM:

Ventilated single casting flue system

### HEARTH:

6mm thick sheet of fibre cement with a layer of 100mm thick clay bricks on top which extended 300mm in front and 200mm either side of the firebox opening.

### TEST INSTALLATION:

The appliance was installed in accordance with the manufacturer's specifications, Jetmaster drawing numbers ZC8/92/1 and ZC8/92/2.

The minimum appliance/flue casing clearance from combustible materials was 25mm.

### CONCLUSION:

**When installed as described above** the appliance tested complied with the requirements of AS 2918:1990.

Investigation and Report by: Michael J Greenwood

A handwritten signature in black ink, appearing to read 'W. Yeo'.

For William V Yeo  
Manager  
Materials Services

A handwritten signature in black ink, appearing to read 'M. J. Greenwood'.

Approved Signatory  
Michael J Greenwood  
Product Testing Officer

Laboratory Registration  
No: 2326

## Zero Clearance - Timber Construction

### Installation Instructions

#### 1 Base and hearth

- a) The hearth and the base beneath the Jetmaster must be made of non-combustible materials. The thickness of the base is as follows:

Model	Hearth thickness
Jetmaster 400-700D	26mm
Jetmaster 850 - 1050	100mm

- b) Position unit on finished hearth level. Ensure air intakes at bottom front of unit are not obstructed.

#### 2 Flues

- a) Rivet stainless steel flue at each joint. Fit inner casings to spigot and join with three 25 mm self-tapping screws thereby maintaining air gap. Fit outer casings to outer spigot. If flue is to be left exposed terminate outer casing 1000mm above ceiling line. Ensure that flues are ventilated top and bottom.
- b) Use minimum 3.6 metres flue. See chart "Minimum Flue Heights for Open Fireplaces" to determine exact flue requirements.
- c) Maintain a minimum clearance between outer flue and combustible materials of 50mm.
- d) Provide flashing where flue penetrates roof and fit cowl.

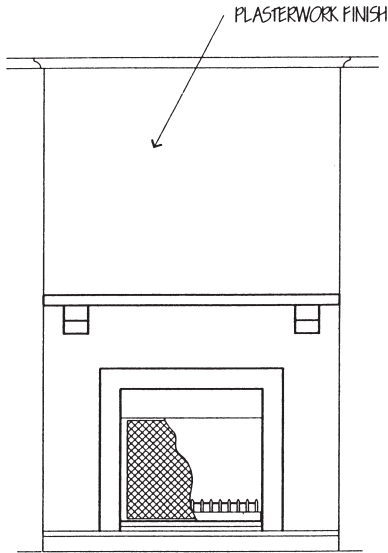
#### 3 Framing

- a) Construct timber frame, laying studs at face of fireplace on edge.
- b) Select framing sizes from Figure 2. These measurements allow for 25mm clearance from combustible frame and a raised hearth of 100mm.
- c) Keep clearance from top of unit 50mm.
- d) Note that depth requirements vary with the use of a cast iron fascia.
- e) Overall frame width will be determined by size of selected mantelpiece.

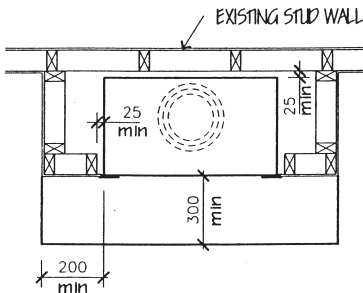
#### 4 Plaster

- a) Unit must be installed and flue run **PRIOR** to plastering.
- b) The Zero Clearance casing has a location channel for plaster to slot into. This may be the final chosen finish.
- c) With a cast iron fascia, cut the plaster around the fascia. Keep the face of the plaster and the fascia flush to fit the mantel.

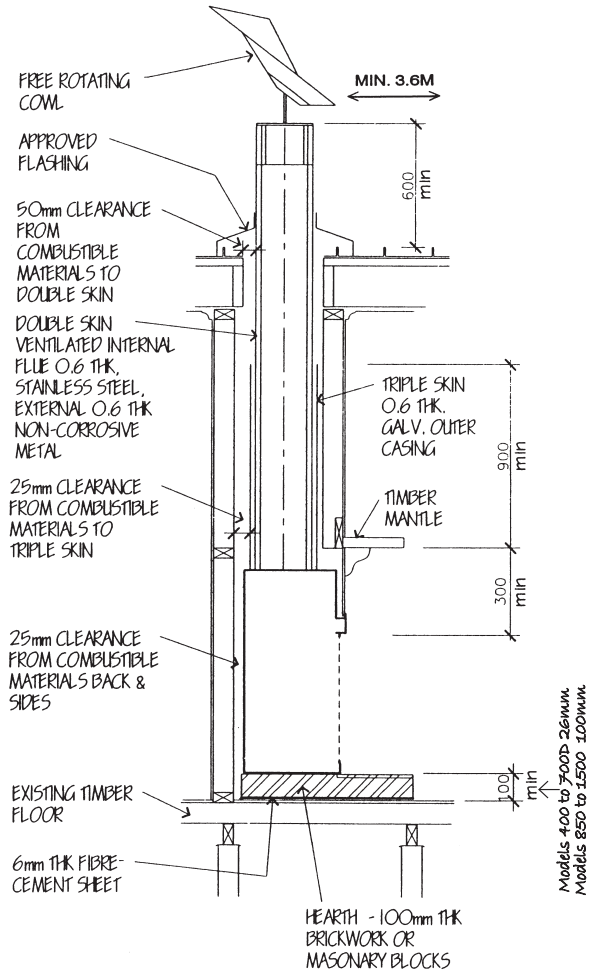
# Zero Clearance - Timber Construction



ELEVATION



PLAN

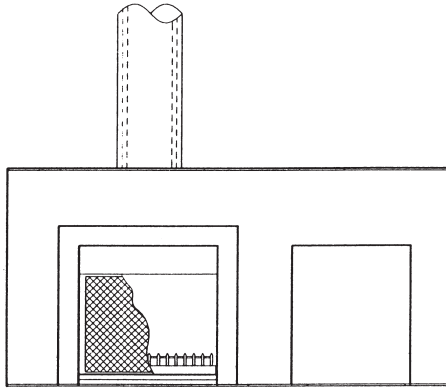


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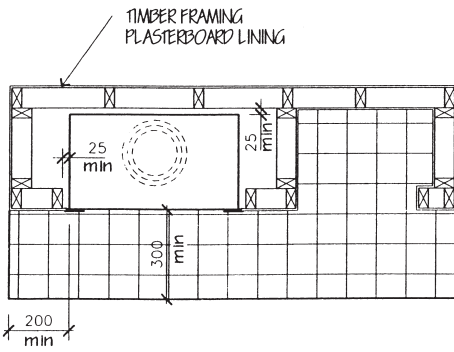
\* IMPORTANT NOTE \*  
UNIT TO BE ELEVATED TO ENSURE AIR INTAKES ARE NOT OBSTRUCTED AND TO FINISH FLUSH WITH FINISHED HEIGHT OF HEARTH.

# ZERO CLEARANCE - TIMBER CONSTRUCTION

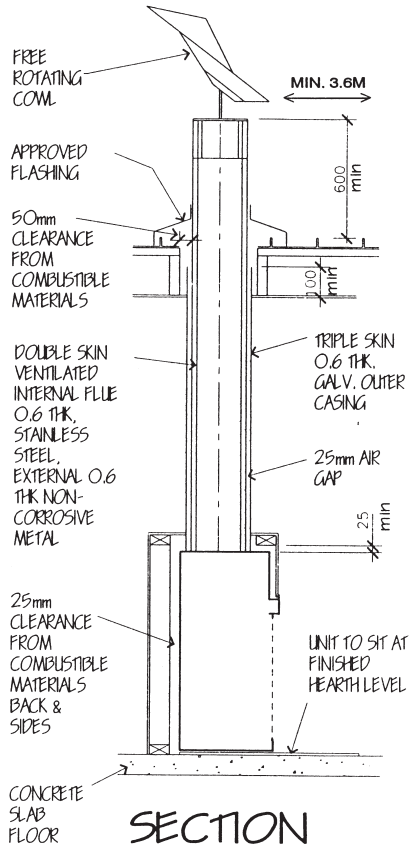
# Zero Clearance - Timber Construction



ELEVATION



PLAN



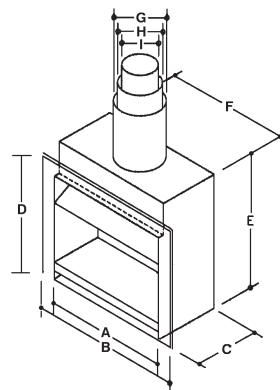
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UNIT TO BE ELEVATED TO ENSURE AIR INTAKES ARE NOT OBSTRUCTED AND TO FINISH FLUSH WITH FINISHED HEIGHT OF HEARTH.

## ZERO CLEARANCE - TIMBER CONSTRUCTION

## CHART 1

DIMENSIONS IN MILLIMETRES									
MODEL	A	B	C	D	E	F	G	H	I
400/440	430	560	395	685	820		300	250	200
500	500	700	430	725	930	650	300	250	200
600	600	800	430	725	930	750	300	250	200
700SH	700	900	430	725	930	850	300	250	200
700D	700	900	475	775	985	850	325	275	225
850	850	1050	525	825	1060	1000	350	300	250
1050	1050	1250	570	875	1160	1200	400	350	300

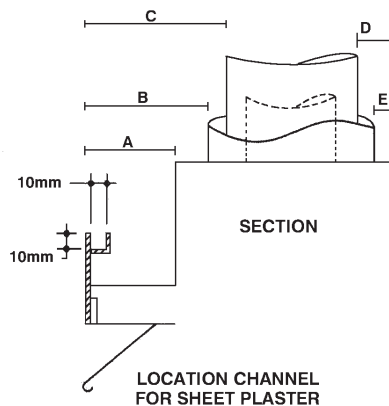
\*NOTE: Dimension "G" travels min. 500mm



## CHART 2

DIMENSIONS IN MILLIMETRES					
MODEL	A	B	C	D	E
		Allow 25mm clearance to combustible material	Allow 50mm clearance to combustible material		
500	50	85	110	70	45
600	50	85	110	70	45
700SH	50	85	110	70	45
700D	45	110	135	75	40
850	45	135	170	65	40
1050	45	105	130	60	40

\*NOTE: Dimension "C" travels min. 500mm



## Framing Specifications

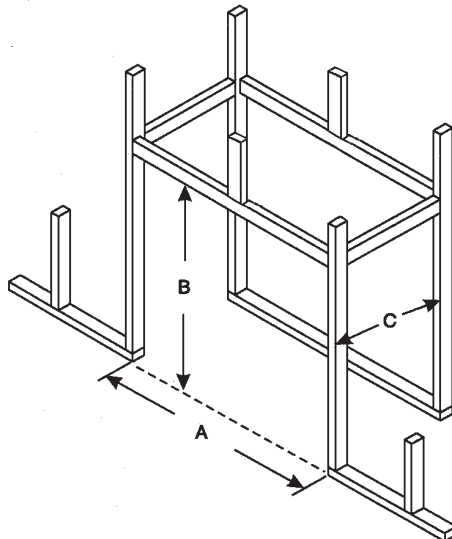
### CHART 3

FRAMING SPECIFICATIONS				
MODEL	Internal Frame Width (A)	Internal Frame Height (B)	Internal Frame Depth (C)	Allow Additional Height, Width and Depth for Cast Iron Fascia
400/440	610	1000	455	*
500	750	1100	455	N/A
600	850	1100	455	*
700S	950	1100	455	*
700D	950	1150	500	N/A
850	1100	1300	550	N/A
1050	1300	1400	600	N/A

\* ZERO CLEARANCE JETMASTER WITH RECESSED FASCIA  
- ALLOW ADDITIONAL DEPTHS AS FOLLOWS

\* Dimensions on application for extra width and height required for cast iron fascias

Recessed tiled fascias	160mm
Recessed arched fascias	140mm
Flat fascias	40mm

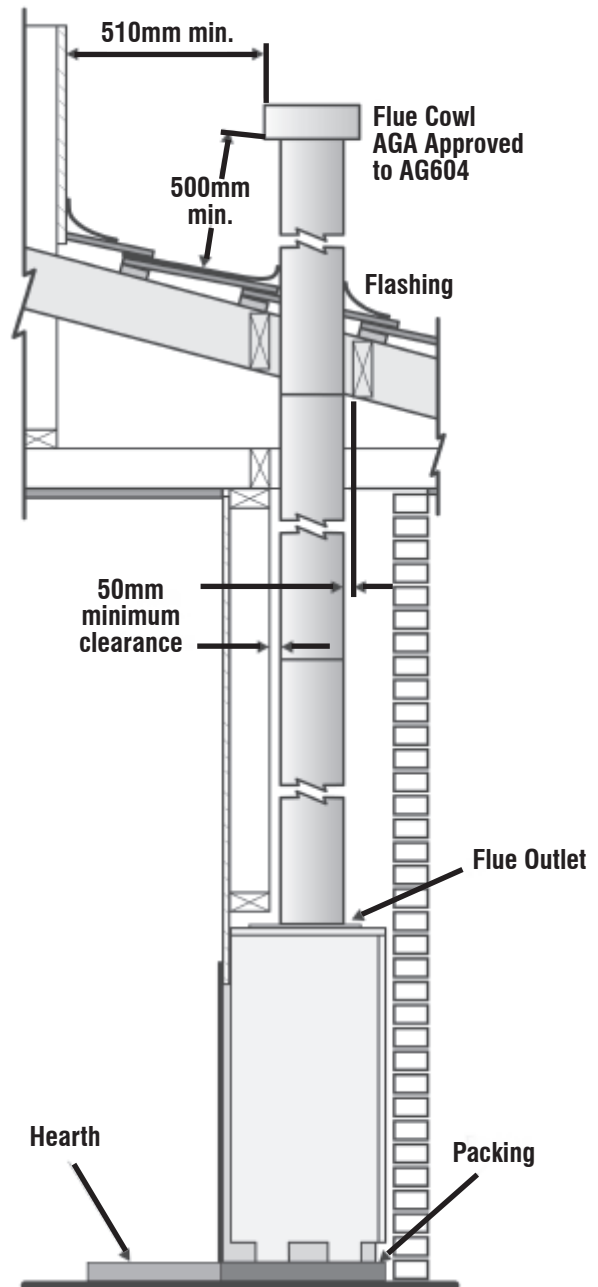




## OPEN GAS FIREPLACE - Minimum Flue Clearances\*

### Flue Termination

The Flue Terminal shall be located so that wind from any direction is not likely to create a downdraught in the flue. A Flue Cowl, AGA approved to AS4566 (AG604) must be fitted to the end of the flue pipe. The minimum flue length must not be shorter than 3.5 metres. Maintain a minimum of 500mm from the bottom of the flue cowl to the nearest part of the roof if the flue cowl is at least 510mm from a neighbouring structure. If less than 510mm, the flue terminal must be located at least 500mm above that structure. Refer to AS5601 - 2004 (AG601) sections 5.13.6.2 and 5.13.6.4 to ensure that the location of the flue terminal fully complies for installations with a trafficable roof, a chimney, another flue terminal or near any openings into a building.



\*Manufacturer's Specification

## Jetmaster Gas Open Fireplaces

- An approved gas cowl must be fitted to the top of the flue or chimney.
- All open gas fires require fixed fresh vents in the room. See page 10 for ventilation requirements.
- Air movement systems A decorative gas log fire must not be installed where the operation of any ventilation system, fan or air blower could under any circumstances cause the air pressure to be less than atmospheric at the appliance, or otherwise adversely affect the operation of the appliance.
- Do not block or restrict chimney or flue opening.
- After installing the appliance, check that the chimney/flue system draws well.
- Jetmaster recommends that all gas fires be serviced every 2 years.
- All gas units must be fitted by a licensed gas fitter.
- It is the responsibility of the gas fitter to follow the regulations set out in the Gas Code that dictate the procedures to follow when installing a gas appliance, particularly regarding gas pipe sizing and checking of pressures. (see summary page)
- For installation of the gas burner, see instruction manual supplied with gas burner.

### **IMPORTANT - PLEASE NOTE**

**Failure of the gas fitter to install the appliance as per manufacturer's specifications and in line with the Gas Code will invalidate the warranty.**

***ROOMS WITH GAS OPEN FIRES  
REQUIRE FRESH AIR VENTS  
AS PER GAS REGULATIONS***

Rooms with gas open fires require fresh air vents as per **Clause 6.10.9.5** in **AS/NZS5601.1:2013**

One or more ventilation openings with a combined free ventilation area of not less than the equivalent cross sectional area of the flue cowl shall be provided for each decorative flame effect fire, and circulations based on clause 6.4.4.

**SUMMARY TAKEN FROM THE GAS INSTALLATIONS  
AUSTRALIAN STANDARDS**

AS5601-2002 AG601-2002

**IMPORTANT:** THIS IS A SUMMARY ONLY. THE GAS FITTER MUST REFER TO THE GAS INSTALLATIONS AUSTRALIAN STANDARDS IN DETAIL.

**Appendix F Sizing Consumer Piping**

- **New Consumer Piping Systems**

When sizing a new consumer piping system, consideration should be given to foreseeable future needs.

- **Existing Consumer Piping Systems**

When an additional appliance is to be connected to an existing consumer piping system, the existing piping, metre and regulator should be checked to ensure that adequate capacity is available for the additional load.

- **Information Required Prior To Pipe Sizing**

The following information is required prior to pipe sizing:

- a. The type of gas, including the heating value and relative density.
- b. The gas consumption of each appliance.
- c. An allowance, if any, where there is a probability that not all appliances will be used at the same time.
- d. The pressure available at the start of the consumer piping.
- e. The allowable pressure drop shall be such as to ensure that at least the minimum inlet pressure required by the appliance is available at the appliance.
- f. The proposed layout of the consumer piping system including all pipe lengths and the location of each appliance.

NOTE: See tables in this appendix

### OPERATING AND MAINTENANCE INSTRUCTIONS For wood burning Jetmaster

Your JETMASTER fireplace is designed not to smoke and by following a few instructions you will achieve optimum heat output, convenience and fuel economy.

**Please note that the first fire could result in a few odours coming from the firebox. Do not be alarmed. This is not unusual when first using a metal finished product and will soon cease.**

#### **LIGHTING A FIRE**

1. Using a number of crumpled sheets of newspaper, some kindling and a few small split logs arrange your fire in a "Teepee tent" style.
2. With the tool provided, fully open the DAMPER by pulling the control lever towards you. (Not always applicable with Double Sided Firebox.)
3. Light the fire at both ends as well as at the centre.
4. When the kindling and small split logs are burning well, start to build up your fire with larger **split logs.**
5. When the fire is well established you can start closing the Damper. The amount you can close it will depend on the type of wood used and the general weather conditions. Experience will soon show you how far; however, the damper should never be closed more than half way.
6. When the fire has gone out completely, you can close the Damper fully thus preventing any loss of heat from the room up the chimney.

#### **CLEANING**

1. The Jetmaster Log Pan is designed to give greater heat and fuel efficiency. For the duration of the cold season **the Log Pan should never be emptied.** The resulting bed of ash and coals from previous fires will soon become a heatbank generating more heat than the burning logs. This ashbed also insulates and greatly extends the life of the Log Pan. This is why an ashbed must be maintained at all times.  
When the level of the ashbed becomes too high, the top layer can be removed. Depending on frequency of use and quality of wood, this skimming procedure should not be required more than once or twice a Season!
2. To prevent chimney fires as well as enabling the chimney to draw properly, the chimney/flue should be swept at least once a season, subject to the quality of timber used in the fire.

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## OPERATING AND MAINTENANCE INSTRUCTIONS

### For wood burning Jetmaster

The visible parts of your Jetmaster can be cleaned with a damp cloth or soft brush. Should you wish you could repaint the unit with a heat resistant paint.

#### **Safety**

The Jetmaster is a safety-tested unit. However, you must never leave an open fire unguarded. Jetmaster has a screen that is designed to prevent sparks leaving the fireplace and very resistant to being accidentally knocked over by young children.

#### **Fuels**

1. Medium density woods are preferred for open fireplaces. Softer woods (Pines etc) burn fast, leaving a lot of ash and creosote. Hard woods (Red Gum etc) can be best used when mixed with medium woods and should not be used to start a fire.
2. A split log will burn better than a full log.
3. Wood should be stored (seasoned) in a dry ventilated area for at least 12 months. "Green" wood can have 50% moisture, which results in a very poor heat emission. Box woods (e.g. Grey Box and Yellow Box) are highly recommended as they produce fine coals.

***Burning well seasoned medium density wood is the most important step towards achieving optimum results from your JETMASTER!***



*Specifications subject to change, contact Jetmaster prior to commencement.*

JM-121 (07/18)