

7 May 2010

Crichton Engineering Ltd  
c/- Tropical Heating Limited  
PO Box 4220  
Christchurch 8140

Dear Sir/Madam

**RESOURCE MANAGEMENT ACT 1991  
NOTICE OF AUTHORISATION OF SOLID FUEL BURNING EQUIPMENT**

**Appliance: Magnum Ardos - Authorisation No: 102990**

The decision of the Committee of Environment Canterbury is to authorise the use and installation of the above listed appliance within the Clean Air Zones of Christchurch and Canterbury until 13 April 2015, for use with the fuels and conditions as specified.

**CONDITIONS:**

- 1) Installation shall be undertaken within five years of the commencement of this authorisation.
- 2) The only fuel to be used in this appliance shall be wood that meets the following criteria conditions:
  - (i) less than 25% moisture (dry weight),
  - (ii) has not been treated with preservatives or impregnated with chemicals or glue,
  - (iii) is not chipboard, particle board or laminated board, and
  - (iv) is not painted, stained or oiled.
- 3) The appliance shall be operated at all times in accordance with the **"Installation and Operating Instructions"** supplied with each appliance.
- 4) There shall be no heat circulation fan fitted to the appliance.
- 5) There shall be no water heating device fitted to the appliance.
- 6) A permanent label shall be attached to the appliance in a position that is readily visible after installation. The labels shall contain the following information. For items iv, viii, ix, x and xi the letters shall be at least 3mm high.

(i)	the manufacturer of the appliance	Crichton Engineering Limited
(ii)	the unique model name	Magnum Ardos
(iii)	the unique serial number of the appliance	
(iv)	the words 'TESTED TO AS/NZS 4013:1999'	
(v)	the number of the test report in which the appliance is described	ARS 09/2060
(vi)	the authorisation number	102990
(vii)	the expiry date of the authorisation	13 April 2015
(viii)	the statement "MAXIMUM AVERAGE HEAT OUTPUT BURNING SOFTWOOD 8.3kW"	
(ix)	the statement "OVERALL AVERAGE EFFICIENCY BURNING SOFTWOOD 70%"	
	then below this the statement "when tested in accordance with AS/NZS 4012:1999"	

**Our Ref:** CO0C/00208

**Your Ref:**

**Contact:** *Customer Services*

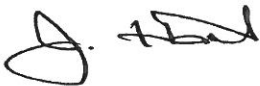
- (x) the statement "AVERAGE PARTICULATE EMISSION FACTOR BURNING SOFTWOOD" 0.6g/kg" when tested in accordance with AS/NZS 4013:1999"
  - (xi) the statement "BURN ONLY UNTREATED WOOD WITH A MOISTURE CONTENT LESS THAN 25% (dry basis)"
  - (xii) the statement "Performance may vary from test values depending on actual operating conditions".
- 7) This approval applies only to the specific model described in the testing reports, documents and drawings accompanying the application for authorisation.
- 8) A certificate shall be submitted to the Canterbury Regional Council within 12 months of approval, and annually thereafter, signed by a competent person, verifying that the model being sold as **Magnum Ardos woodburner**, is the same as that which was tested and described in Test Report **ARS 09/2060**.

**Please Note:**

Any necessary building consents, for the installation of these appliances, must be obtained from the appropriate district or city council.

**If you need more assistance, please do not hesitate to contact our Customer Services Section by telephoning (03) 353 9007, 0800 ECINFO (0800 324 636) or by visiting our website at: <http://ecan.govt.nz/services/online-services/Pages/authorised-solid-fuel-burners.aspx>**

Yours faithfully



Joanne Hart  
**CONSENTS OPERATIONS**