

National list of authorised wood burners

This webpage provides a [list of wood burners](#) which have been tested and found to meet the national environmental standards at the date of testing. Specifically, all wood burners on this list have a discharge of less than 1.5 gram of particles for each kilogram of dry wood burned [g/kg] and a thermal efficiency of at least 65%.

Burners that meet the national environmental standards (ie, those on this list) may be installed on properties less than two hectares, anywhere in New Zealand, unless more stringent regional rules apply. Regional rules for wood burners currently apply in Auckland, Nelson, Tasman, Canterbury and Otago. Regional rules for wood burners are currently proposed in Hawke's Bay. People wishing to install a burner in these regions are advised to consult their regional council for further information.

This national list includes only burners that have been authorised by Environment Canterbury and/or Nelson City Council. The authorisation process is where an engineer physically inspects the burner, reviews its testing, installation and operational documentation for compliance with the relevant regional air plan, and gives consideration to important matters such as tamperability. The Ministry has published a [national solid fuel burner authorisation manual](#) that documents the authorisation process.

In 2006/07 the Ministry for the Environment undertook a national performance review of wood burners (Phase 1 and Phase 2). In this performance review, randomly selected wood burners were tested to check whether they meet the national environmental standards. Moderate or serious failures that remain unresolved are temporarily suspended from this list. The results of both phases of the review are no longer displayed as a part of the list of authorised wood burners, but can be viewed as separate documents here:

- [National Performance Review of Wood Burners – Phase 1](#)
- [National Performance Review of Wood Burners – Phase 2](#)

Please refer to the [frequently asked questions on wood burners](#) for more information about the performance review.

The Ministry does not accept any liability arising from the list and will not pay compensation to anyone relying on this list in the event a wood burner is found to be non-complying and has to be removed. The Ministry encourages retailers to make purchasers aware of these caveats.

This list is updated periodically but it is not necessarily an exclusive list of all currently compliant models at any given time. If you would like to be notified of updates to the authorised list, or have any queries regarding wood burners, please email woodburners@mfe.govt.nz.

The Ministry recommends that only dry, seasoned wood (moisture content < 25%) be used. Do not burn painted or treated wood.

A list of [pellet burners](#) is also available.

List last updated on 6 September 2011.

Quick links to manufacturers

- [Aber Holdings Ltd](#)
- [Crighton Engineering](#)
- [Dallas Metal Industries Ltd](#)
- [Escea Ltd](#)
- [Glen Dimplex Australasia Ltd](#)
- [Hewitsons Ltd - Firenzo](#)
- [Lansdowne Resource Ltd](#)
- [Pioneer Manufacturing](#)
- [Pyroclassic Fires Limited](#)
- [Retail Links](#)
- [The Fireplace Limited](#)
- [Tropicair Heating Ltd](#)
- [W H Harris Ltd](#)
- [Warmington Industries Ltd](#)
- [Yunca Heating](#)

Key

NT = Not fully tested in accordance with AS/NZS 4012 or 4013. Authorisation is based on test results for a similar appliance or indicative testing for this appliance, together with an opinion from the testing agency.

Aber Holdings Ltd

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Kent Astron CA	Freestanding	Dry wood	No	0.7	67	110612	
Kent Firenze CA	Freestanding	Dry wood	No	0.7	67	110613	
Kent Geneva Max	Freestanding	Dry wood	No	1.1	65		N0032
Kent Kea Rad II	Freestanding	Dry wood	No	0.8	69	111358	
Kent Kea Rad CA	Freestanding	Dry wood	No	NT	NT		N0038
Kent Kiwi Rad II	Freestanding	Dry wood	No	0.8	69	111356	
Kent Kiwi Rad Clean Air	Freestanding	Dry wood	No	1.2	70		N0017
Kent Logfire Max	Insert	Dry wood	No	1.2	66		N0018
Kent Quantum Max Clean Air	Freestanding	Dry wood	No	0.5	69	071799	071799
Kent Signature CA	Freestanding	Dry wood	No	0.9	71	06002	

[Back to top](#)

Crichton Engineering

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Jayline CS600	Freestanding	Dry wood	No	1.1	65		N0036
Magnum Ardos	Insert	Dry wood	No	0.6	70	102990	102990
Magnum Furno	Insert	Dry wood	No	0.6	69	102992	102992
Magnum P100	Freestanding	Dry wood	No	1.1	68		N0015A
Magnum P300	Freestanding	Dry wood	No	1.1	65		N0035

[Back to top](#)

Dallas Metal Industries Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Milan Ar'dore C/A	Freestanding	Dry wood	No	0.9	65	110610	
Milan Caldo C/A	Freestanding	Dry wood	No	0.7	67	110305	110305
Milan Caldo Rustic Harmony Clean Air	Freestanding	Dry wood	No	1.2	70		N0017A
Milan Harmony I/B C/A Harmony Series	Insert	Dry wood	No	1.2	67		N0018A
Milan Milano C/A	Freestanding	Dry wood	No	0.9	71	110611	110611
Milan Piccolo C/A Harmony Series	Freestanding	Dry wood	No	0.7	67	110304	

Escea Ltd

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Bosca Firepoint 360	Freestanding	Dry wood	No	0.9	74	110716	110716
Bosca Limit 380	Freestanding	Dry wood	No	0.9	76	110717	110717
Bosca Spirit 550	Freestanding	Dry wood	No	0.9	69	110718	110718

Glen Dimplex Australasia Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Atlanta Bay	Freestanding	Dry wood	No	1.1	77		03002
Logaire Minos	Freestanding	Dry wood	No	1.2	76		N0006
Masport Atlanta Bay	Freestanding	Dry wood	No	1.1	77	111995	N0042
Masport F2000	Freestanding	Dry wood	No	0.6	77	092857	092857
Masport F2200C	Freestanding	Dry wood	No	0.8	71	102104	102104
Masport F3000	Freestanding	Dry wood	No	0.6	69	092856	092856
Masport F3300C	Freestanding	Dry wood	No	0.5	72	103815	103815
Masport Grandview Series 3	Freestanding	Dry wood	No	0.7	69	111730	111730

Masport Hestia 2 Clean Air*	Freestanding	Dry wood	No	0.6	66	110045	110045
Masport I3000	Insert	Dry wood	No	0.4	68	103869	103869
Masport I3000 Wetback	Insert	Dry wood	Yes	0.8	66	111333	111333
Masport I5000	Insert	Dry wood	No	0.7	66	111499	111499
Masport Kronos Clean Air*	Freestanding	Dry wood	No	0.7	65	110044	110044
Masport LE 4000 Provincial ²	Insert	Dry wood	No	0.6	67	071591	071591
Masport Minos 2 Clean Air*	Freestanding	Dry wood	No	0.6	68	110047	110047
Masport Talisman*	Freestanding	Dry wood	No	1.0	73	110046	110046
Masport Verona	Freestanding	Dry wood	No	0.8	68	02001	02001
Osburn 1600 (dry)	Freestanding	Dry wood	No	0.7	70	090550	090550
Osburn 1600 MK II WET	Freestanding	Dry wood	Yes	0.7	67	111500	111500
Osburn 1600	Freestanding	Dry wood	Yes	0.9	72	06012	01006

¹ The Logaire Hestia Clean Air was withdrawn from sale following a serious failure in phase 1 of the performance review. The Hestia 2 Clean Air is authorised as listed above. Consumers are advised to check the label on the wood burner carefully.

² The Masport LE 4000 Provincial passed both design verification and emissions testing in Phase 2 but had an undetermined outcome for efficiency testing. For further information please refer to the [Phase 2 report](#).

Note: In the April 2009 *Consumer* magazine Osburn 1600 (Dry) was listed as one of the most efficient wood burners. This was, however, due to a typing error on the list, which has now been corrected. An erratum has since been issued by *Consumer*.

*NB Old names for these burners are listed in the table below.

[Back to top](#)

Glen Dimplex Australasia Limited (old names)*

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Logaire Minos 2 Clean Air*	Freestanding	Dry wood	No	0.6	68	092858	092858
Hestia 2 Clean Air*	Freestanding	Dry wood	No	0.6	66	083177	083177

Kronos Clean Air*	Freestanding	Dry wood	No	0.7	65	072521	072521
Logaire Talisman*	Freestanding	Dry wood	No	1.0	73	090891	090891

* These have been superseded by the models in the table above.

Hewitsons Limited - Firenze

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Contessa Urban	Freestanding	Dry wood	No	1.0	67		N0026
Dante Urban	Freestanding	Dry wood	No	1.1	74		N0029
Deco Urban SD	Insert	Dry wood	No	1.3	67		N0028
Firenze Athena Aqualux AG	Insert	Dry Wood	Yes	1.0	66	102108	102108
Firenze Athena Flush AG08	Insert	Dry wood	No	NT	NT	091593	091593
Firenze Bay AG (with Athena or Forte fascia options)	Insert	Dry wood	No	1.0	74	103157	103157
Firenze Bronte Top Outlet AG	Freestanding	Dry wood	No	1.0	76	72377	N0012
Firenze Contessa AG – Clean Air	Freestanding	Dry wood	Yes	0.9	66	093219	093219
Firenze Contessa AG – Clean Air	Freestanding	Dry wood	No	1.0	73	093218	093218
Firenze Contessa AGIO WET	Freestanding	Dry wood	Yes	1.0	66	111059	111059
Firenze Forte Aqualux AG	Insert	Dry Wood	Yes	1.0	66	102107	102107
Firenze Forte Flush AG08	Insert	Dry wood	No	0.9	69	090133	090133
Firenze Lady Kitchener AG08 - Dryback	Freestanding	Dry Wood	No	0.5	73	093220	093220
Firenze Lady Kitchener AG10-WB	Freestanding	Dry Wood	Yes	0.7	68	103472	103472
Firenze Royale AG (with or without fan)	Freestanding	Dry wood	No	0.9	70	092965	092965
Firenze Viking AG (Wetback)	Freestanding	Dry wood	Yes	0.9	67	102472	102472
Firenze Viking AG (Dryback)	Freestanding	Dry wood	No	0.9	68	102465	102465
Lady Kitchener Urban	Freestanding	Dry wood	No	NT	NT		N0027
Lady Kitchener Urban	Freestanding	Dry wood	Yes	1.4	74		N0027
Plaza Urban SD	Insert	Dry wood	No	1.3	67		N0030

[Back to top](#)

Lansdowne Resource Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Ethos Aquos FS100W	Freestanding	Dry wood	Yes	0.6	66	091861	091861
Ethos Ares (with flue shield)	Insert	Dry wood	No	0.3	67	03001	03001
Ethos Ares (without flue shield)	Insert	Dry wood	No	0.3	67	03001	03001
Ethos Ares Deluxe	Insert	Dry wood	No	0.3	67	103880	103880
Ethos Asteria	Freestanding	Dry wood	No	NT	NT	083240	083240
Ethos Genesis	Freestanding	Dry wood	No	0.6	72	02010	02010
Ethos Helios	Freestanding	Dry wood	No	NT	NT	083239	083239
Ethos Hera	Freestanding	Dry wood	No	NT	NT	083238	083238
Ethos Phoenix	Freestanding	Dry wood	No	0.6	72	091862	04001

Ethos Ares may be authorised without a flue shield if installed in accordance with [Environment Canterbury conditions](#).

[Back to top](#)

Pioneer Manufacturing

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Metro Eco Euro Ped (with direct vent)*	Freestanding	Dry wood	No	0.6	70	112001	06007
Metro Eco Euro Ped (without direct vent)*	Freestanding	Dry wood	No	1.0	66	112019	06007
Metro Eco Euro Rad	Freestanding	Dry wood	No	0.7	72	072608	072608
Metro Eco Euro Trad* (with direct vent)	Freestanding	Dry wood	No	0.6	70	112020	06007
Metro Eco Euro Trad* (without direct vent)	Freestanding	Dry wood	No	1.0	66	112022	06007
Metro Eco Mega Smart	Insert	Dry wood	No	0.7	69	110719	110719
Metro Eco Mega Smart (Wetback)	Insert	Dry wood	Yes	0.6	66	111058	111058
Metro Eco Smart (Dryback)	Insert	Dry Wood	No	0.5	68	102411	102411
Metro Eco Smart (Wetback)	Insert	Dry Wood	Yes	0.8	67	102426	102426

Metro Eco Tiny Ped	Freestanding Dry wood	No	NT	NT	073897	073897
Metro Eco Tiny Ped	Freestanding Dry wood	Yes	NT	NT	080009	080009
Metro Eco Tiny Rad	Freestanding Dry wood	No	0.9	75	072605	072605
Metro Eco Tiny Rad	Freestanding Dry wood	Yes	0.9	67	072607	072607
Metro Eco Tiny Trad	Freestanding Dry wood	Yes	1.0	66	080008	080008
Metro Eco Trad	Insert Dry wood	No	0.9	65	101157	N0009
Metro Eco Trend	Insert Dry wood	No	0.9	65	101157	N0008
Metro Eco Wee Curve	Freestanding Dry wood	No	0.6	68	093460	093460
Metro Eco Wee Ped*	Freestanding Dry wood	No	NT	NT	092976	092976
Metro Eco Wee Ped (Wetback)	Freestanding Dry Wood	Yes	NT	NT	102679	102679
Metro Eco Wee Rad*	Freestanding Dry wood	No	0.9	70	092977	092977
Metro Eco Wee Rad (Wetback)	Freestanding Dry Wood	Yes	1.0	65	102678	102678
Metro Eco Wee Trad*	Freestanding Dry wood	No	NT	NT	092974	092974
Metro Eco Wee Trad (Wetback)	Freestanding Dry wood	Yes	NT	NT	102680	102680
Metro Eco Xtreme Ped (with direct vent)	Freestanding Dry wood	No	0.9	69	112024	06008
Metro Eco Xtreme Ped (Wetback)	Freestanding Dry Wood	Yes	1.0	67	102677	102677
Metro Eco Xtreme Rad* (with direct vent)	Freestanding Dry wood	No	0.9	68	112026	06009
Metro Eco Xtreme Rad (Wetback)	Freestanding Dry Wood	Yes	0.9	69	102676	102676

*NB Old names for these burners are listed in the table below.

Pioneer Manufacturing (old names)*

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Metro Eco Aspire (with direct vent)*	Freestanding Dry wood	No		0.7	70	06007	06007
Metro Eco Aspire (without direct vent)*	Freestanding Dry wood	No		1.0	66	06007	06007
Metro Eco Pioneer Pedestal*	Freestanding Dry wood	No		NT	NT	04011	N0004
Metro Eco Pioneer Traditional*	Freestanding Dry wood	No		NT	NT	04012	N0005
Metro Eco Rad (with direct vent)*	Freestanding Dry wood	No		0.9	68	06009	06009

* These names have been superseded by the names in the table above.

[Back to top](#)

Pyroclassic Fires Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Pyroclassic IV	Freestanding	Dry wood	No	0.3	74	072269	072269
Pyroclassic IV	Freestanding	Dry wood	Yes	0.3	65	073063	073063

[Back to top](#)

Retail Links

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Fisher Blenheim	Freestanding	Dry wood	No	1.3	72		N0022
Jayline Classic CA	Freestanding	Dry wood	No	NT	NT	093798	093798
Jayline CS400	Freestanding	Dry wood	No	NT	NT		N0015
Jayline Spitfire Clean Air 2006	Freestanding	Dry wood	No	1.3	70		N0024
Jayline SS200	Freestanding	Dry wood	No	NT	NT		N0023
Jayline SS300	Freestanding	Dry wood	No	NT	NT		N0016
Jayline SS400	Freestanding	Dry wood	No	NT	NT		N0025
Jayline SS600	Freestanding	Dry Wood	No	0.6	67	120833	120833

[Back to top](#)

The Fireplace Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Quadra-Fire Millennium 2100 ACC	Freestanding	Dry wood	No	0.6	72	083786	083786

Quadra-Fire Millennium 4300 ACC	Freestanding	Dry wood	No	0.4	71	083785	083785
---------------------------------	--------------	----------	----	-----	----	--------	--------

[Back to top](#)

Tropicair Heating Ltd

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Tropicair Ardos	Insert	Dry Wood	No	0.6	70	102621	102621
Tropicair Furno	Insert	Dry wood	No	0.6	69	102217	102217
Tropicair Kowhai 2000 MkIII	Freestanding	Dry wood	No	NT	NT	090722	N0002
Tropicair Rimu 2000 MkIII	Freestanding	Dry wood	No	0.9	72	090721	N0001
Tropicair Tawa MkIII (with flue shield)	Insert	Dry wood	No	0.6	65	111879	111879

[Back to top](#)

W H Harris Limited

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Jayline IS500	Insert	Dry wood	No	0.9	67	111085	111085
Jayline Starfire IS	Insert	Dry wood	No	0.9	69	072487	072487
Kent Barker II Dry	Freestanding	Dry wood	No	0.5	71	111240	111240
Kent Barker II Wetback	Freestanding	Dry wood	Yes	0.5	65	111241	111241
Kent Logfire Supreme	Insert	Dry wood	No	0.9	67	111086	111086
Kent Tui Rad Dry	Freestanding	Dry wood	No	0.7	71	111269	111269
Kent Tui Rad Wetback	Freestanding	Dry wood	Yes	0.7	65	111270	111270
Woodsman Aspen Dry	Freestanding	Dry wood	No	0.5	71	111306	111306
Woodsman Aspen Wetback	Freestanding	Dry wood	Yes	0.5	65	111307	111307
Woodsman Brunner Dry	Freestanding	Dry wood	No	0.5	71	111242	111242
Woodsman Brunner Wetback	Freestanding	Dry wood	Yes	0.5	65	111243	111243

Woodsman Blaze	Freestanding	Dry wood	No	0.7	66	082947	082947
Woodsman Boston	Freestanding	Dry wood	No	0.8	67	073734	073734
Woodsman Manhattan	Freestanding	Dry wood	No	0.8	67	073735	073735
Woodsman Matai DLX 165	Freestanding	Dry wood	No	NT	NT	03014	03014
Woodsman Matai DVI-165 Deluxe ³	Insert	Dry wood	No	0.5	67	04002	04002
Woodsman Matai DVI-165 Standard ³	Insert	Dry wood	No	NT	NT	04003	04003
Woodsman Matai ECR eco	Freestanding	Dry wood	No	0.5	69	110263	110263
Woodsman Matai ECR-165	Freestanding	Dry wood	No	0.8	72	03015	03015
Woodsman Matai ECR MK II	Freestanding	Dry wood	No	NT	NT	071128	071128
Woodsman Matai ECR MK III	Freestanding	Dry wood	No	0.7	71	102148	102148
Woodsman Matai ECR MK IV	Freestanding	Dry wood	No	0.8	75	102149	102149
Woodsman Matai ECR MK V	Freestanding	Dry Wood	Yes	0.7	65	102454	102454
Woodsman Regent	Insert	Dry wood	No	0.9	69	072526	072526
Woodsman Tarras	Freestanding	Dry wood	No	0.9	70	094113	094113
Woodsman Tarras-WB	Freestanding	Dry wood	Yes	1.0	65	094114	094114
Woodsman Tasman Dry	Freestanding	Dry wood	No	0.5	71	111475	111475
Woodsman Tasman Wetback	Freestanding	Dry wood	Yes	0.5	65	111477	111477
Woodsman Totara	Insert	Dry wood	No	0.9	67	110220	110220

* Exact authorisation status unclear – clarification will be provided when Environment Canterbury operational (post quake).

³ This approval is limited to installations of the appliance where there is provision for combustion air to be drawn into the chimney cavity via a conduit (or opening) meeting the following criteria; (a) air shall be sourced from outside the room in which the appliance is installed; (b) the air shall be sourced by the conduit and delivered from it at heights neither of which are greater than one metre above the top of the appliance, and (c) the conduit shall have a cross sectional area not less than the equivalent of a circle of diameter 100mm at all points, and a maximum length of five metres.

[Back to top](#)

Warmington Industries Ltd

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.
-----------	------	-----------------	--------------	-----------------	----------------	-------------------

							ECan	Nelson
Lindis	Freestanding	Dry wood	No	1.2	72			N0019
McKenzie	Freestanding	Dry wood	No	1.5	65			N0020
Tasman Series 46L	Freestanding	Dry wood	No	0.9	66	111359	111359	
Warmington Lewis	Freestanding	Dry wood	No	0.8	72	071229	071229	
Warmington Studio Stove	Freestanding	Dry wood	No	1.0	70	071226	071226	

[Back to top](#)

Yunca Heating

Appliance	Type	Authorised fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Yunca Fitzroy (Sub 1.0)	Freestanding	Dry wood	No	0.9	67	073065	
Yunca Hobson (Sub 1.0)	Freestanding	Dry wood	No	1.0	70	03004	03004
Yunca Wegj 2000 (sub 1.0)	Freestanding	Dry wood	No	0.8	67	02011	02011

Key

NT = Not fully tested in accordance with AS/NZS 4012 or 4013. Authorisation is based on test results for a similar appliance or indicative testing for this appliance, together with an opinion from the testing agency.

[Back to top](#)

Last updated: 20 December 2011