

Check Testing results for 2018/2019: Electric storage water heaters

This year, 12 models of electric storage water heaters (commonly referred to as electric hot water cylinders) were tested by an IANZ accredited laboratory (as required by the Regulations) against the relevant Minimum Energy Performance Standards (MEPS) as set out in AS/NZS 4692.2:2005. The testing results are presented in the table below. For more information about check testing please see: <https://www.eeca.govt.nz/our-work/product-regulations/compliance-and-monitoring/monitoring/>

Brand	Registered model number or family name	E3 Registration number	Result	Action
Superheat (300 Litre)	H300S	ZHW0162	Fail	³ Prosecuted and fined
Atlantic (250 Litre)	886101	ZHW0220	Fail	Withdrawn from market
Atlantic (300 Litre)	896236	ZHW0221	Fail	Withdrawn from market
Thermann (176 Litre)	N180THMB124	ZHW0217	Fail	Re-registered, now compliant if TPR valve insulated
Robert Bosch (135 Litre)	7716500241	ZHW0210	Fail	Withdrawn from market
Robert Bosch (260 Litre)	7716500250	ZHW0214	Fail	Withdrawn from market
Triumph (135 Litre)	#22002 135 540 STD B.E	ZHW0111	¹ Fail	Re-registered to new Standard, now compliant
Dux Proflo (164 Litre)	160T136	AHW0228	² Fail	TTMRA allowance applies

All units that failed NZ MEPS, also failed to meet NZ Building Code H1/AS1 5.0.1 *Hot Water Systems* requirements.

¹Failed NZS 4602:1988. Re-registered to AS/NZS 4692.1:2005.

²Complies with conditions for sale with Australian registration under the Trans-Tasman Mutual Recognition Agreement.

³Convicted and fined a total of \$9,900 on 3 charges for breach of clause 4 and 13 of the Energy Efficiency Regulations.

Brand	Registered model number or family name	E3 Registration number	Result	Action
Peter Cocks (176 Litre)	18054-1ESP	ZHW0223	Pass	No further action
Rheem (24 Litre)	31202519 MP 25L 405x385H 2.4kW	ZHW0047	Pass	No further action
Rheem (180 Litre)	32218015	ZHW0273	Pass	No further action
Rinnai (180 Litre)	ME180488E20	ZHW0232	Pass	No further action

Please note: Electric storage water heaters that do not comply with New Zealand MEPS do not comply with the New Zealand Building Code H1 *Energy efficiency* AS1 5.0.1 *Hot Water Systems* requirements. Compliance with the New Zealand Building Code is administered by the Ministry of Business, Innovation and Employment <https://www.building.govt.nz/building-code-compliance/>.

If you have bought a hot water cylinder that failed testing, you should contact the trader. You may also have certain rights to remedy under the Consumer Guarantees Act (CGA).

For further information, please visit the Commerce Commission <https://comcom.govt.nz/> and Consumer Protection <https://www.consumerprotection.govt.nz/> websites.