

Detail of Standard Water Reduction Fixtures and Features – This page to be added to the Plumbing and Drainage Plan.

NOTE: The calculations in this report are based on these Standard Water Reduction Fixtures remaining in the house and no garbage grinder being installed. It is recommended that a note be added to the property file at Tasman District Council at the time of issue of consent to ensure that subsequent owners can be informed. If fixtures are replaced with less efficient fixtures a new design report may be required.

Standard Water Reduction fixtures:

1. Dual flush 11/5.5 litre toilets

Average flush = 6.6 litres

(equals average of 4 half flushes and 1 full flush)

2. Shower flow restrictors

3. Aerator taps

4. Water-conserving automatic washing machines

Kitchen, bathroom and laundry tapware:

Any aerated mixer.

Eg. Methven Koha swivel basin mixer (Product Code KOBSLCP)

Kitchen:

A garbage grinder may not be installed.

Toilet:

Any dual flush toilet.

The first dual flush toilets were 11/ 5.5 litre flush toilets. Since the mid eighties more water efficient dual flush toilets have become available.

Shower Flow rate:

Shower flow to be 12L/minute or less.

Any shower head with a WELS 2 star rating or greater, or any combination of shower head and flow restrictor that produces a flow of 12L/minute or less.

Eg: - Methven Tahi Satinjet Overhead Drencher.

Washing Machine:

Fisher and Paykel Aquasmart WL70T60CW2 or equivalent top loader, or any front loader.

Water Efficiency Labelling Scheme (WELS)

Star Ratings for water efficiency

Star Rating	Showers	Tapware
6 Stars	Not applicable – see note 1 below	Less than 4.5 l/min
5 Stars	Not applicable – see note 1 below	More than 4.5 l/min but not more than 6.0 l/min
4 Stars	Not applicable – see note 1 below	More than 6.0 l/min but not more than 7.5 l/min
3 Stars	More than 7.5 l/min but not more than 9.0 l/min	More than 7.5 l/min but not more than 9.0 l/min
2 Stars	More than 9.0 l/min but not more than 12.0 l/min	More than 9.0 l/min but not more than 12.0 l/min
1 Star	More than 12.0 l/min but not more than 16 l/min	More than 12.0 l/min but not more than 16 l/min
0 Stars	More than 16 l/min or fails performance test criteria – See note 2	More than 16 l/min or fails performance test criteria

A WELS rating provides an average flow rate for a product when tested at various pressures. Similar to energy ratings on electrical appliances, this rating is displayed with a number of stars. The more WELS stars it has, the more water-efficient the product.

The WELS label displays three key pieces of information:

- The star rating out of 6. All products except showers can achieve ratings up to 6 stars. Currently showers can only achieve a maximum of 3 stars. If a product fails any test or has a higher flow than the maximum rating, it can still be sold, but must carry a 0 (zero) star label.
- The rated water consumption:
 - Litres per minute (for showers and taps)
 - Litres per wash (for clothes washing machines and dishwashers)
 - Litres per flush (for lavatories and urinals)
- The pressure application (only applies to showers and tapware in NZ) – mains pressure and/or low/unequal pressure. All Methven products suitable for all pressure installations carry 2 labels.