



Guidelines for Applicants

This is one of a series of guidelines to help applicants to the Smart Approved WaterMark, Australia's label for products and services that save water. Applications to the Smart WaterMark are assessed by an Independent Technical Expert Panel against the following four criteria:

1. **Water Saving** - The primary purpose of the product is directly related to reducing actual water use where there is a direct correlation between the use of the product and water savings.
2. **Fitness for Purpose** - Supporting documentation (such as instructions and marketing material) helps ensure that users get the best water savings/efficiency from the product.
3. **Meeting Regulations and Standards** - The product is of high quality and meets industry standards, and customer and community expectations.
4. **Environmentally Sustainable** - The product, while satisfying the above three criteria, is environmentally sustainable, and that in making water savings the product will not adversely impact on the environment in other areas.

The Expert Panel needs verifiable independent evidence that the product achieves the water savings claimed in the application (i.e. through independent testing, case studies or comparative reports). Please note, unsubstantiated marketing claims are not regarded as evidence of water saving.

The Smart WaterMark stakeholder web site has further information on the application process including timetables, fees and online application forms at: www.smartwatermark.info

If you have any questions about these guidelines or your application please contact the Smart WaterMark national office. Email: info@smartwatermark.info Phone: +61 (0) 2 9223 3322

Guideline 12. Spray Cleaners

Wash-down Guns

Pre-rinse Nozzles

High-pressure Low-flow Sprays

Spray cleaners, including wash-down guns, pre-rinse nozzles and high-pressure low-flow sprays are used across a range of commercial cleaning processes. Wash-down guns and pre-rinse nozzles are used predominantly in the hospitality industry to remove waste from crockery prior to dishwashing. High-pressure low-flow sprays are used across a wide range of commercial applications from car and boat washing through to cleaning outdoor surfaces. Please note, some jurisdictions restrict the use of high-pressure cleaners or require permits for their use, especially at times of drought.

Smart Approved WaterMark is Australia's water conservation label. The not-for-profit scheme was established by the Australian Water Association, Irrigation Australia, the Nursery & Garden Industry Australia, and Water Services Association of Australia and is supported by the Commonwealth and States & Territories Governments.

Pre-rinse nozzle Guidelines © Smart WaterMark 2014

A common feature of spray cleaning technologies is the use of high-pressure water sprays to clean surfaces both indoor and outdoor. Water-use from spray cleaners ranges significantly across product ranges from over 15L per minute to less than 1L per minute. In addition to water savings from the more efficient spray technologies, significant energy savings are also made when using hot water.

The Smart WaterMark label is being used to identify and certify water efficient spray technologies. The following attributes have been set to identify water efficient spray cleaners including wash-down guns, pre-rinse nozzles and high-pressure low-flow sprays:

- i) flow rate as follows:

| Product | Flow Rate |
|-------------------------------|-----------------------------|
| High Pressure cleaning device | 9 litres per minute or less |
| Pre-rinse spray nozzle | 6 litres per minute or less |

- ii) water-use data to be verified by an independent source as noted overleaf.
- iii) the product meets the relevant standards and regulations (e.g. WaterMark plumbing certification)
- iv) the product is fit for purpose
(for example ASTM F2324-03 Standard Test Method for Pre- Rinse Spray Valves)
- v) the product, if designed to be connected to electricity supply, is properly certified, and properly listed in the Electrical Regulatory Authorities Council (ERAC) Equipment Certification System

Water Use data verification

The following shall be carried out by a party independent from the party involved in the ownership, sale and/or distribution of the product; and not otherwise involved with the submission for approval to carry to Smart WaterMark endorsement.

In the case of High Pressure cleaning devices where the water pressure is derived from an integral pump, the product will be tested and the flow rate measured as accurately as possible to within +/- 0.1 of a litre per minute, by capturing the volume of water discharged within a particular timeframe, or via use of a flow meter.

In the case of any product deriving flow from water pressure of a direct connection to a water supply independent of the product, the test shall be carried out in a manner similar to that described in AS/NZS 3718:2005 Water Supply-Tap ware, Appendix G.