

**Installation of a High Efficiency Pool Pump; Residential Only****Activity No.**

APP3

**1. Activity Specific Definitions**

**Pool pump** means a circulating pump for use with a residential pool or spa.

**Rated flow rate (Q)** means the maximum rated flow rated in litres per minute that the pump can achieve under AS5102

**2. Activity Description (Summary)**

Installation of a high efficiency pool pump

**3. Activity Eligibility Requirements**

Any residential household in South Australia where the installed product requirements and minimum installation requirements can be met.

**4. Installed Product Requirements**

1. The pool pump shall be listed as part of the Equipment Energy Efficiency Program's pool pump labelling scheme and shall achieve a star rating of not less than 3 stars.
2. The pool pumps shall be tested and rated in accordance with AS5102.1 and AS5012.2
3. The pool pump shall operate on single phase mains power.
4. The pool pump shall have an input rating of not less than 100W and not more than 1500W.
5. As a proclaimed product in South Australia, any pool pump shall meet the safety requirements of AS/NZS 60335.2.41:2004
6. From 1 January 2016, pool pumps shall be fitted with demand response controllers in accordance with AS/NZS 4755.3.2:2012 Demand response capabilities and supporting technologies for electrical products - Interaction of demand response enabling devices and electrical products - Operational instructions and connections for devices controlling swimming pool pump-units

**1. Minimum Installation Requirements**

Where required, an Electrical Certificate of Compliance must be provided and retained for verification purposes

**6. Activity energy savings**

The normalised energy saved per appliances purchased is equal to:

$$\text{Normalised Energy Savings GJ} = Q \times 0.00009 \times [1622 - CEC]$$

Q is the rated flow rated in litres per minute (measured as per AS5102)

1622 is the 2 star CEC under the energy labelling scheme AS5102 in kWh/year

CEC is the comparative energy consumption of the product under the voluntary labelling scheme in kWh/year

**7. Guidance Notes (Informative only – not mandatory)\**

Details of the Equipment Energy Efficiency Program's pool pump labelling scheme are available at:

<http://www.energyrating.gov.au/products-themes/other/swimming-pool-pumps/voluntary-labelling/>