

## INFORMATION BULLETIN

September 2017  
#018

### Sous Vide Immersion Circulators

Sous Vide machines use to be predominantly designed and used for commercial purpose. Various new designs of portable immersion types are now available to cater for household and domestic needs.

Manufacturers and suppliers alike are seeking clarification in relation to compliance and certification requirements for such appliances.

This information bulletin is to bring clarification in relation to the requirements relating to compliance and certifications of sous vide immersion circulators.

#### Classification

- **Level 3 (prescribed/declared electrical equipment)**

Sous Vide Immersion Circulators fall under the category of Level 3 electrical equipment as captured under AS/NZS 4417.2, Immersion Heaters.

- **Unattended**

Sous Vide Immersion Circulators will be used for extended periods and sometimes overnight. The long slow cooking mode and inclusion of functions such as programmable timers mean the use is similar to a slow cooker and as such should be classified as “unattended” electrical equipment.

- **IPX7**

Sous Vide Immersion Circulators that do not have an integrated water container are exposed to the risk of accidentally being dropped in water or being severely splashed during the course of their normal use and are comparable with an immersion heater that is required to comply with IPX7.

#### Applicable Safety Standards

Sous Vide Immersion Circulators that do not have an integrated water container shall be tested as an “unattended” appliance to the requirements of AS/NZS 60335.2.74 – *Particular requirements for portable immersion heaters*.

Sous Vide Circulators that have an integrated water container shall comply with the requirements of AS/NZS 60335.2.15 and classified as a slow cooker.

Suppliers should be aware that as AS/NZS 60335.2.74 may not be sufficient to cover all the safety requirements for this article there may be an amendment to this standard in the future.

Version 1.0

Information contained in this bulletin is provided as guidance to duty holders to discharge obligations under electrical safety laws. It may not cover all requirements and does not remove obligations to comply with any other regulations. For more information about local requirements or for further information, check with your local Electrical safety regulator:

[http://www.erac.gov.au/index.php?option=com\\_content&view=article&id=71&Itemid=474](http://www.erac.gov.au/index.php?option=com_content&view=article&id=71&Itemid=474)